SERVICE MANUAL

DA-4X CHASSIS

MODEL NAME	REMOTE COMMANDER	<u>DESTINATION</u>	CHASSIS NO.
KP-57WV600	RM-Y188	US/CND	SCC-P92D-A
KP-57WV700	RM-Y188	US/CND	SCC-P92B-A
KP-65WV600	RM-Y188	US/CND	SCC-P92C-A
KP-65WV700	RM-Y188	US/CND	SCC-P92A-A

ORIGINAL MANUAL ISSUE DATE: 6/2002

ALL REVISIONS AND UPDATES TO THE ORIGINAL MANUAL ARE APPENDED TO THE END OF THE PDF FILE.

REVISION DATE	REVISION TYPE	SUBJECT
6/2002	No revisions or updates	are applicable at this time.
7/2002	Re-release Manual	Revised Service Data List (pgs. 21, 22, 25, 43, 44, 45)
		Revised Circuit Boards Location (pg. 60) to include U Board and UD Board
		Removed Shade(B) (pg. 110)
8/2002	Correction-1	Revised Exploded View Cover diagrams to reflect
		accurate position of Contrast Screen Assembly. (pgs.107 & 108)
10/2002	Correction-2	Corrected P/N for Rear Boards on Exploded View Cover parts list, and
		added P/N for Mirror Cover. (pg.107)
11/2002	Supplement-1	Replaced MS1 Board with BM1C Board, Updated AD Board and D Board,
		Updated Exploded View P/Ns, Updated Parts List
1/2003	Correction-3	Convergence Adjustment Procedure (pgs. 48 & 52)
1/2003	Correction-4	Corrected P/N for Caster on Exploded View Chassis parts list. (pg.109)1/2003
9/2003	Correction-5	Corrected A PWB Component and Conductor side (pg. 75& 76))
10/2004	Removed Note from sec	tion 2-12-1. Setup For Adjustment. Note is intended for use by the factory
	during production, and s	hould not be performed by service technicians.Replaced Pg. 48 with Pg. 48





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KP-65WV600	RM-Y188	US/CND	SCC-P92C-A
KP-65WV700	RM-Y188	US/CND	SCC-P92A-A





RM-Y188

COLOR REAR VIDEO PROJECTOR



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SPECIFICATIONS

Power Requirements 120V AC, 60Hz

Power Consumption (W)

In Use (Max) 295W In Standby 1 W

Inputs/Outputs DVI-HDTV

1 terminal, 3.3V T.M.D.S., 50 ohms

The DVI-HDTV input terminal is compliant with the EIA-861 standard and is not intended for use with personal computers.

Video (IN)

4 total (1 on front panel)

1Vp-p, 75ohms unbalanced, sync negative

S Video (IN)

3 total (1 on front panel)

Y: 1Vp-p, 75ohms unbalanced, sync negative C: 0.286Vp-p (Burst signal), 75ohms

Audio (IN)

7 total (1 on front panel) 500 mVrms (100% modulation) Impedance:47 kilohm

Component Video Input

2 total

Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative;

P_B: 0.7 Vp-p, 75 ohms; P_R: 0.7 Vp-p, 75 ohms

Control S (IN/OUT)

Variable/Fixed Audio (OUT)

More than 408 m Vrms at the maximum volume setting (Variable) More than 408 m Vrms (Fixed) Impedance (output):2 kilohms

		KP-57WV600 KP-57WV700	KP-65WV600	KP-65WV700
Speaker Output	(W)		20W x 2	
Dimensions (W x H mm in	x D)	1361 x 1394 x 689 mm 53 ⁵⁸ x 54 ^{15/16} x 27 ^{1/8} in		6 x 735 mm 4 x 28 ^{15/16} in
Mass	kg Ibs	98 kg 216 lbs	136 kg 300 lbs	134 kg 295 lbs

Projection System

3 picture tubes, 3 lenses, horizontal in-line system

Picture Tube

7-inch high-brightness monochrome tubes (6.3 raster size), with optical coupling and liquid cooling system.

Projection Lenses

High performance, large diameter hybrid lens F1.1

Antenna

75 ohm external terminal for VHF/UHF

Television System

NTSC, American TV Standard

Channel Coverage

VHF: 2-13/ VHF: 14-69/ CATV: 1-125

Screen Size (measured diagonally)

57 inches (KP-57WV600/57WV700) 65 inches (KP-65WV600/65WV700)

Supplied Accessories

Remote Control RM-Y188 Batteries (2) size AA (R6)

Optional Accessories

A/V Cable (VMC-810/820/830 HG) Audio Cable (RKC-515HG)

Component Video Cable (VMC-10/30 HG)

Control S Cable (RK-G69HG)

Memory Stick media:

8 MB (MSA-8A)

16 MB (MSA-16A)

32 MB (MSA-32A)

64 MB (MSA-64A)

128 MB (MSA-128A)

WARNINGS AND CAUTIONS

CAUTION

Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield, or carbon painted on the CRT, after removing the anode.

WARNING!!

An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis. The chassis of this receiver is directly connected to the ac power line.



Components identified by shading and \triangle mark on the schematic diagrams, exploded views, and in the parts list are critical for safe operation. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operation are identified in this manual. Follow these procedures whenever critical components are replaced or improper operation is suspected.

ATTENTION!!

Apres avoir deconnecte le cap de l'anode, court-circuiter l'anode du tube cathodique et celui de l'anode du cap au chassis metallique de l'appareil, ou la couche de carbone peinte sur le tube cathodique ou au blindage du tube cathodique.

Afin d'eviter tout risque d'electrocution provenant d'un chássis sous tension, un transformateur d'isolement doit etre utilisé lors de tout dépannage. Le chássis de ce récepteur est directement raccordé à l'alimentation du secteur.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

Les composants identifies par une trame et par une marque \triangle sur les schemas de principe, les vues explosees et les listes de pieces sont d'une importance critique pour la securite du fonctionnement. Ne les remplacer que par des composants Sony dont le numero de piece est indique dans le present manuel ou dans des supplements publies par Sony. Les reglages de circuit dont l'importance est critique pour la securite du fonctionnement sont identifies dans le present manuel. Suivre ces procedures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement suspecte.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
- Check the interboard wiring to ensure that no wires are "pinched" or touching high-wattage resistors.
- Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
- Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- 6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
- Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- 8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

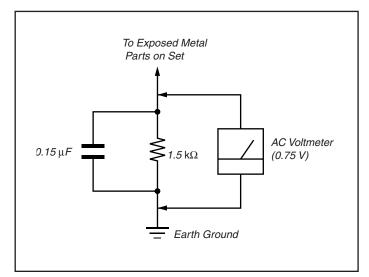


Figure A. Using an AC voltmeter to check AC leakage.

Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

If a cold-water pipe is not accessible, connect a 60- to 100-watt troublelight (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

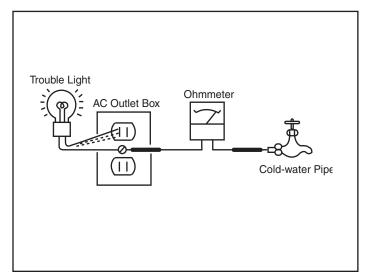


Figure B. Checking for earth ground.

SELF-DIAGNOSTIC FUNCTION



The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the Remote Commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

Diagnostic Test Indicators

When an error occurs, the STANDBY/TIMER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas.

Results for all of the following diagnostic items are displayed on screen. If the screen displays a "0", no error has occurred.

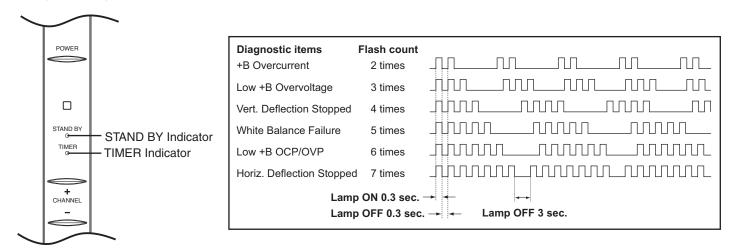
Diagnostic Item	No. of times STANDBY / TIMER lamp flashes	Display Result	Probable Cause Location	Detected Symptoms
Power does not turn on	Does not light		Power cord is not plugged in.Fuse is burned out (F501). (A Board)	Power does not come on.No power is supplied to the TV.AC Power supply is faulty.
+B Overcurrent (OCP)*	2 times	2:0 or 2:1	H.OUT (Q8024) is shorted. (D Board) +B PWM (Q8035) is shorted. (D Board)	Power does not come on. Load on power line shorted.
Low +B Overvoltage (OVP)	3 times	3:0 or 3:1	IC6504 is faulty. (D Board)	Has entered standby mode.
Vertical Deflection Stopped	4 times	4:0 or 4:1	15V is not supplied. (D Board) IC8003 is faulty. (D Board)	 Has entered standby mode after Horizontal raster. Vertical deflection pulse is stopped. Power line is shorted or power supply is stopped.
White Balance Failure (not balanced)	5 times	5:0 or 5:1	Video OUT (IC9101, IC9201, IC9301) is faulty. (CR, CG, CB Board) CRT drive (IC2801) is faulty. (B Board) G2 is improperly adjusted.**	No raster is generated. CRT cathode current detection reference pulse output is small.
LOW +B OCP/OVP (overcurrent/overvoltage)***	6 times	6:0 or 6:1	 +5 line is overloaded. (A, B, M Boards) +5 line is shorted. (A, B, M Boards) IC504 is faulty. (A Board) 	No picture
Horizontal Deflection Stopped	7 times	7:0 or 7:1		No picture

^{*} If a +B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously. The symptom that is diagnosed first by the microcontroller is displayed on the screen.

^{**} Refer to Screen (G2) Adjustment (Fine Adjustments) in Section 2 of this manual.

^{***} If STANDBY/STEREO LED flashes six (6) times, unplug the unit and wait 10 seconds before performing the adjustment.

Display of Standby/Timer LED Flash Count



Release of TIMER STAND BY indicator blinking

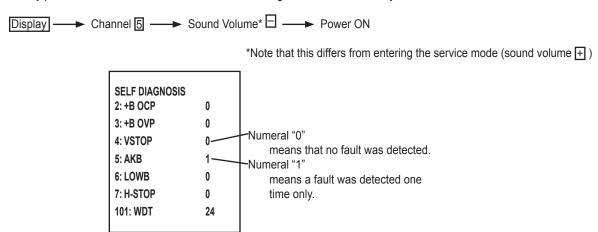
The TIMER/STANDBY indicator blinking display is released by turning OFF the power switch on the TV main unit or removing the plug from the power.

Self-Diagnosis Screen Displays

In cases of malfunctions where it is not possible to determine the symptom such as when the power goes off occasionally or when the screen disappears occasionally, there is a screen display on whether the malfunction occurred or not in the past (and whether the detection circuit operated or not) in order to allow confirmation.

Screen Display Method

Quickly press the remote command button in the following order from the standby state.



Self-Diagnosis Screen Display

The results display is not automatically cleared. In case of repairs and after repairs, check the self-diagnosis screen and be sure to return the results display to "0".

If the results display is not returned to "0" it will not be possible to judge a new malfunction after completing repairs.

Method of Clearing Results Display

- 1. Power off (Set to the stanby mode.)
- 2. \square isplay \longrightarrow Channel \square Sound Volume \square Power ON (Service Mode)
- 3. Channel 8 ENTER (Test reset = Factory preset condition)

Method of Ending Self Diagnosis Screen

When ending the self-diagnosis screen completely, turn the power switch OFF on the remote commander or the main unit.

Self-Diagnosis Function Operation

+B overcurrent (OCP)

Occurs when excessive current flows through R5013. The increase in voltage across R5013 causes the output of Q5004 to go high, and this high signal goes to the micro.

+B overvoltage (OVP)

IC6505 detects +B OVP condition and turns on Q6522. This sends a high signal to the micro and also shuts down the AC relay.

V-STOP

Occurs when an absence of the vertical deflection pulse is detected by pin 24 of IC2801 (B Board). Power supply will shut down when waveform interval exceeds 2 seconds.

White Balance Failure

If the RGB levels* do not balance within 2 seconds after the power is turned on, this error will be detected by IC2801. TV will stay on, but there will be no picture.

*(Refers to the RGB levels of the AKB detection Ref pulse that detects 1K).

Low B OCP/OVP

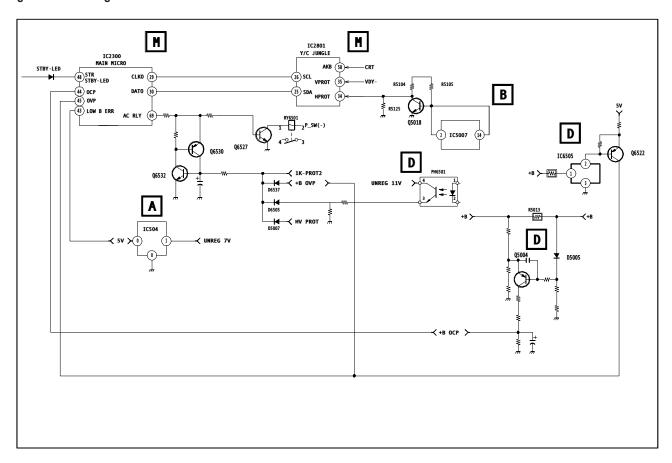
Occurs when set 5V is out.

Horizontal Deflection Stopped

Occurs when either:

- 1) a +B overcurrent is detected (IC5007), or
- 2) overheating is detected (Thermistor TH5002).

Self-Diagnosis Block Diagram

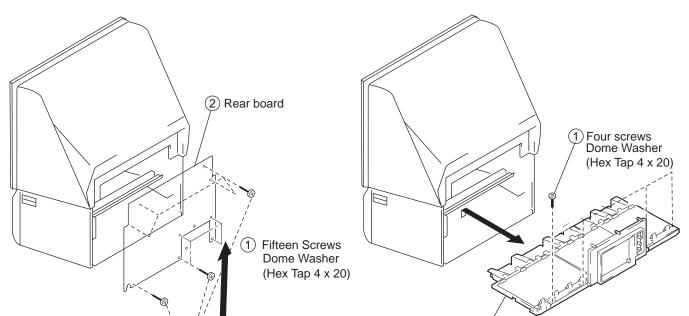


SECTION 1: DISASSEMBLY

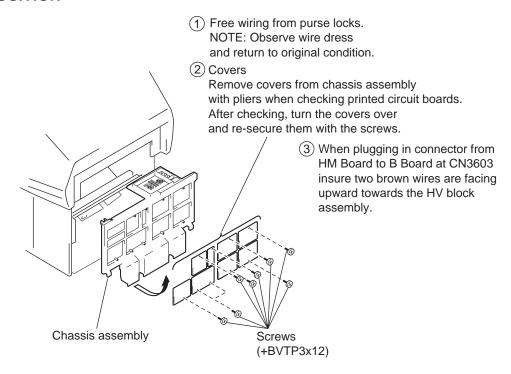
1-2. CHASSIS ASSEMBLY REMOVAL

(2) Chassis assy

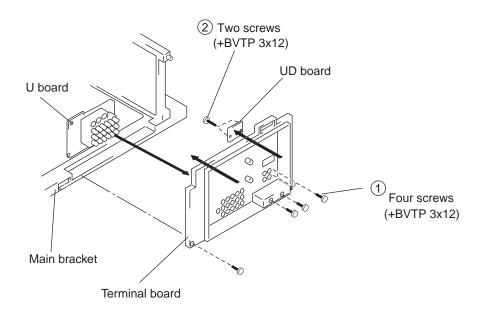
1-1. REAR BOARD REMOVAL



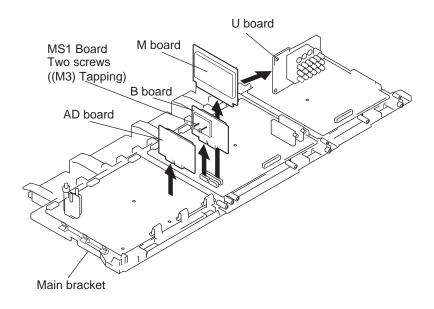
1-3. SERVICE POSITION



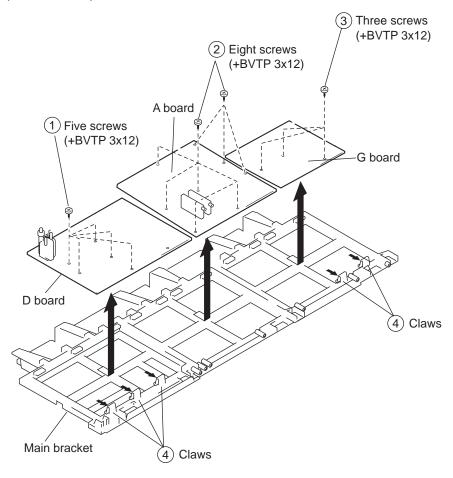
1-4. TERMINAL BOARD AND UD BOARD REMOVAL



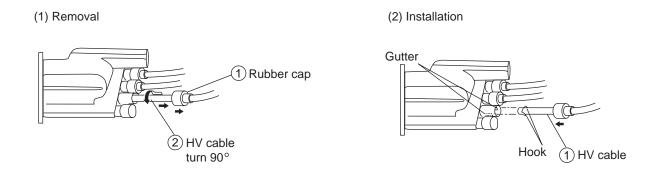
1-5. AD BOARD, B BOARD, M BOARD, MS1 BOARD, AND U BOARD REMOVAL



1-6. D BOARD, A BOARD, AND G BOARD REMOVAL

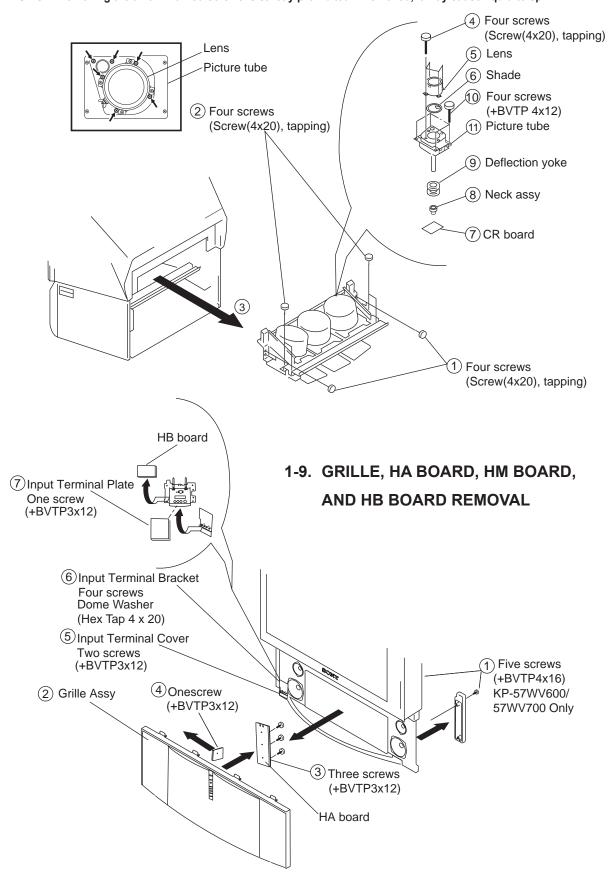


1-7. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL

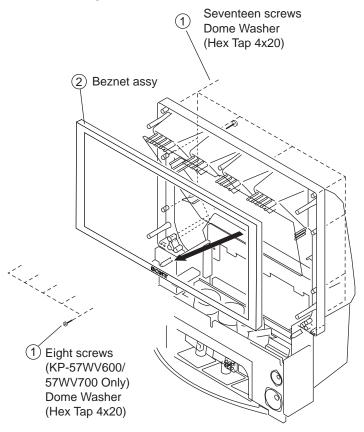


1-8. PICTURE TUBE REMOVAL

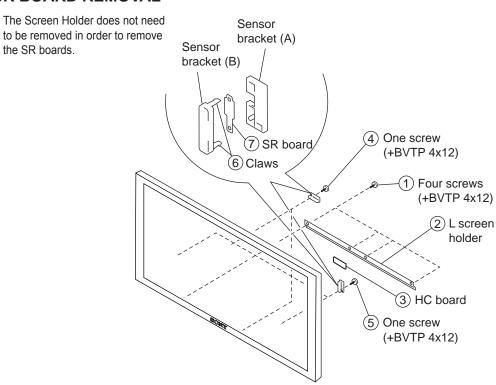
CAUTION: Removing the arrow-marked screws is strictly prohibited. If removed, it may cause liquid to spill.



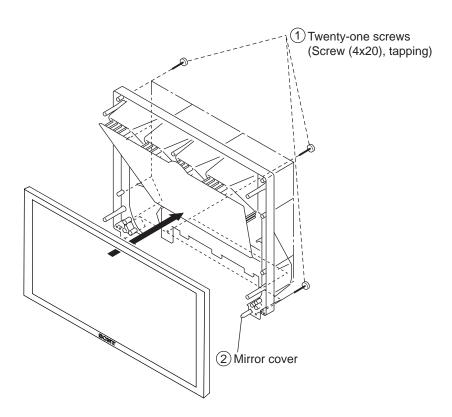
1-10.BEZNET ASSEMBLY REMOVAL



1-11.SR BOARD REMOVAL



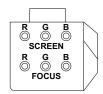
1-12.MIRROR COVER REMOVAL (KP-57WV600/57WV700 ONLY)



SECTION 2: SET-UP ADJUSTMENTS

2-1. SCREEN VOLTAGE ADJUSTMENT (G2) (COARSE ADJUSTMENT)

- 1. Receive the Monoscope signal..
- 2. Set BRIGHTNESS to 50% and PICTURE to minimum.
- Turn the red VR on the focus block all the way to the left and then gradually turn it to the right until the retrace line is barely visible.
- 4. Gradually turn the control to the left until the retrace line disappears.

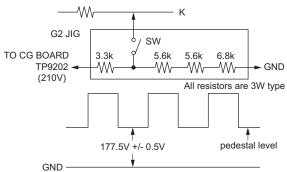


FOCUS Block

2-2. SCREEN (G2) ADJUSTMENT (FINE ADJUSTMENT)

If the jig described below is available, it is recommended that the G2 Fine Mode Adjustment be performed to set the screen controls to their optimal condition. If desired, you can build the jig illustrated below, using 3-watt resistors. Please note that if the proper voltage is not obtained with the listed resistor's values, then increase or decrease one of the values in the resistor network to obtain the correct voltage.

- 1. Select VIDEO-1 mode no signal applied (the screen must be black).
- 2. Connect the G2 JIG.
- 3. SW on JIG.
- Connect an oscilloscope to the TP9101(KR), TP9201(KG) and TP9301(KB) of CR board, CG board, and CB board.
- Adjust red, green, and blue screen voltage to 177.5+/-0.5V with screen VR on the focus block.

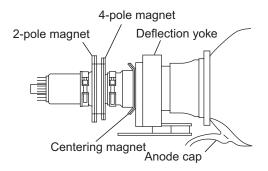


2-3. DEFLECTION YOKE TILT ADJUSTMENT

- 1. Connect the color bar generator monoscope patter to Video 1 input.
- 2. Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 3. Loosen the CRT's deflection yoke set screw and align the tilt of the deflection yoke so that the horizontal bars at the center of the cross-hatch pattern are parallel to the top and bottom edges of the screen.
- 4. After aligning the deflection yoke fasten it securely to the funnel-shaped portion (neck) of the CRT.
- 5. Cover the green and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps), then repeat steps 3 and 4 for the red CRT.

Cover the green and red CRT lenses with lens caps o allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps), then repeat steps 3 and 4 for the blue CRT.

Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2170P-2 RGBS.



2-4. FOCUS LENS ADJUSTMENT

In this adjustment, use the remote commander while in service mode. For details on the usage of the service mode and the remote commander, please refer to section

2-10. ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER.

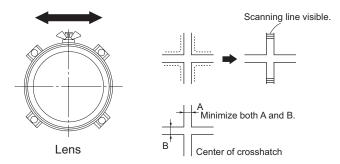
- 1. Loosen the lens screw.
- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 3. Turn the green lens to adjust to the optimum focus point with the crosshatch signal.
- 4. Tighten the lens screw.
- Cover the green and blue CRT lenses with the lens caps to allow only red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 6. Turn the red lens to adjust to the optimum focus point with the crosshatch signal.
- 7. Tighten the lens screw.
- 8. Cover the green and red CRT lenses with the lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 9. Turn the blue lens to adjust to the optimum focus point with the crosshatch signal.
- 10. Tighten the lens screw.
- 11. After adjusting the items:
 - 2-5. FOCUS VR ADJUSTMENT,
 - 2-6. 2-POLE MAGNET ADJUSTMENT,
 - 2-8. 4-POLE MAGNET ADJUSTMENT,

reconfirm the optimum focus point and adjust again if necessary.

* In PJE mode, every time 6 is pressed, the test signal changes to: "crosshatch+video signal" → "crosshatch+borderline(black)" → "crosshatch(black)" → "dots(black)" → off



Test Signal



Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2170P-2 1 RGBS.

2-5. FOCUS VR ADJUSTMENT

- 1. Set generator to crosshatch.
- 2. Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 3. Turn the green focus VR on the focus block to adjust to the optimum focus point with the crosshatch signal.
- Cover the green and blue picture lenses with lens caps to allow only red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 5. Turn the red focus VR on the focus block to adjust to the optimum focus point with the crosshatch signal.
- Cover the green and red picture lenses with lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 7. Turn the blue focus VR on the focus block to adjust to the optimum focus point with the crosshatch signal.
- 8. After adjusting the items:
 - 2-4. FOCUS LENS ADJUSTMENT,
 - 2-6. 2-POLE MAGNET ADJUSTMENT,
 - 2-8. 4-POLE MAGNET ADJUSTMENT.

reconfirm the optimum focus point and adjust again if necessary.

Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2170P-2 1 RGBS.



FOCUS Block

2-6. 2-POLE MAGNET ADJUSTMENT

- 1. Set the picture mode to PRO and picture to MAX.
- 2. Receive the Dot signal.
- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- Turn the green focus VR on the focus block to the left (counter clockwise) and set it to overfocus to enlarge the spot.
- Adjust the green CRT's 2-pole magnet so that the small bright spot is in the center.
- Align the green focus VR on the focus block and set it for the best focus
- 7. Repeat steps 1 through 6 for the red CRT except now you will cover the green and blue CRT lenses with lens caps to allow only red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps) and you will adjust the red focus control on the focus block.
- 8. Repeat steps 1 through 6 for the blue CRT except now you will cover the red and green CRT lenses with lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps) and you will adjust the blue focus control on the focus block.

Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2170P-2 1 RGBS.



2-7. CENTERING MAGNET ADJUSTMENT

- 1. Set the picture mode to PRO.
- 2. Receive the monoscope signal.
- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 4. Adjust the green CRT's centering magnet to put the center of the monoscope signal to the center of the screen.
- 5. Repeat steps 1 through 4 for the red CRT except now you will cover the green and blue CRT lenses with lens caps to allow only red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps) and you will adjust the red centering magnet.
- 6. Repeat steps 1 through 4 for the blue CRT except now you will cover the red and green CRT lenses with lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps) and you will adjust the blue centering magnet.

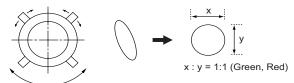
Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2170P-2 1 RGBS.

2-8. 4-POLE MAGNET ADJUSTMENT

- 1. Set the picture mode to PRO and picture to MAX.
- 2. Receive the Dot signal.
- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 4. Turn the (green) focus VR on the focus block to the right (clockwise) and set it to under-focus to reduce the spot.
- Adjust the 4-pole magnet so that the small spot in the center of the screen becomes round for green and red.
- 6. Adjust the blue spot to an oval shape X:Y=1:1.2
- 7. Repeat steps 1 through 6 for the red CRT except now you will cover the green and blue CRT lenses with lens caps to allow only red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps) and you will adjust the red focus control on the focus block.
- 8. Repeat steps 1 through 6 for the blue CRT except now you will cover the red and green CRT lenses with lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps) and you will adjust the blue focus control on the focus block.

Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2170P-2 1 RGBS.

Use the center dot



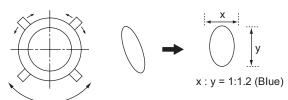
2-9. DEFOCUS ADJUSTMENT (BLUE)

Note: Adjust the blue dot to be slightly larger than red and green dots. This adjustment provides a more pleasing picture to the customer.

- 1. Set the picture mode to PRO.
- 2. Receive the Dot signal.
- 3. Cover the red and green CRT lenses with lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 4. Turn the blue focus VR on the focus block to the right (clockwise) to make the round dot elliptical.
- 5. Check the flare with a high luminance signal to make sure the flare is minimal while the dot shape is elliptical.
- 6. Set the generator to an all white signal and check uniformity.

Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2170P-2 1 RGBS.

Use the center dot



2-10.ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER

All of the circuit adjustments can be made by using the remote commander (RM-Y188).

NOTE: The following test equipment is required:

- 1. Pattern Generator (with component outputs)
- 2. Frequency counter
- 3. Digital multimeter
- 4. Audio oscillator

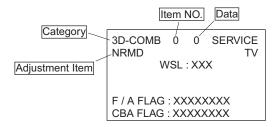
2-10-1.METHOD OF ENTERING THE SERVICE ADJUSTMENT MODE

SERVICE MODE PROCEDURE

- 1. TV must be in Standby mode. (Power off)
- Press "DISPLAY", "5", "VOL +", then "POWER" on the remote commander.

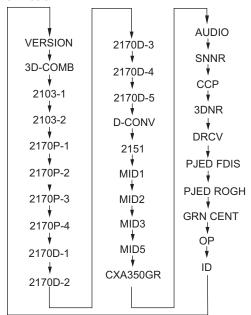
(Press each button within 1 second of pressing the previous button.)

SERVICE MODE ADJUSTMENT



- 3. The screen displays the item being adjusted within that category.
- 4. Press 1 or 4 on the remote commander to select the adjustment item
- 5. Press 3 or 6 on the remote commander to change the data
- 6. Press 2 or 5 on the remote commander to select the adjustment category

Every time you press 2(Category up), service mode changes in the order shown below:



- If you want to go back to the most recently saved value, press "0" then "ENTER" to read the memory.
- 8. Press "MUTING" then "ENTER" to write the new adjustment data into memory.
- 9. Turn power off when you want to exit the service mode.

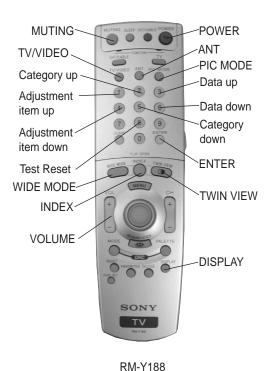
Note: Press "8" then "ENTER" on the remote commander to restore the factory settings for user controls and channel memories (this will also turn set off and then on to exit the service mode).

2-10-2.MEMORY WRITE CONFIRMATION METHOD

- 1. After adjustment, turn the power off with the remote commander.
- 2. Turn the power ON and set to service mode.
- Cycle through the adjusted items again and confirm that the adjustments were saved.

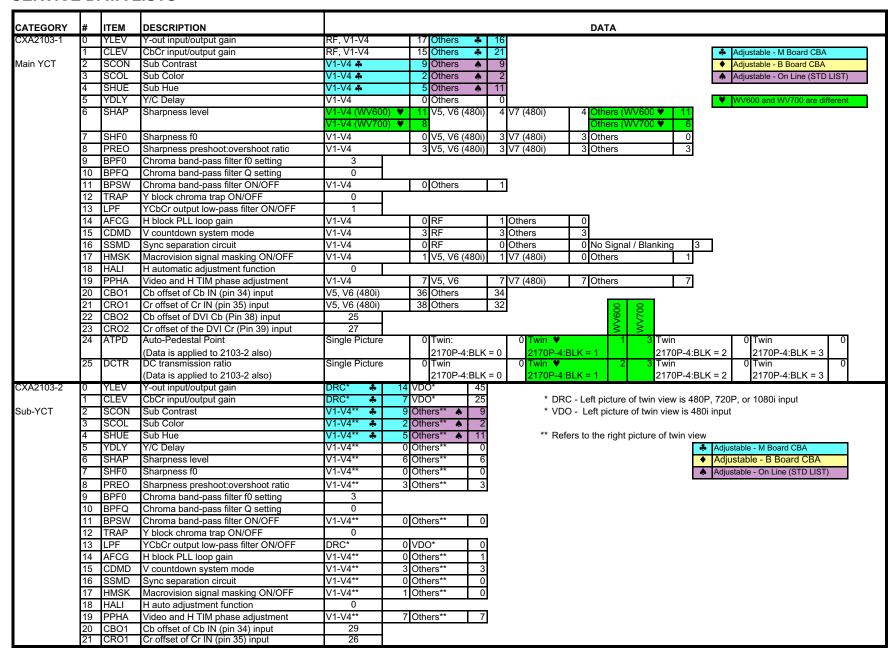
2-10-3.ADJUSTING BUTTONS AND INDICATOR

Note: When the PJE mode (which displays an internally generated signal) is activated, several buttons on the remote commander will have different functions than the ones listed below. Therefore, when in the PJE mode, refer to section 2-12-3 for button functions.



2-11 SERVICE DATA LISTS

ATEGORY	#	ITEM	DESCRIPTION						DATA		
ERSION	0	VER	Software version display	0							
	1	DMY1		255							
COMB	0	NRMD	Noise Reduction Mode	0							
	1	CLKS	Forced Clock System	1	1						
	2	NSDS	Non-Standard/Standard Signal Processing	0	1						
	3	MSS	Frame / Line Processing	0	1						
	4	KILS	Color Killer Setting	1	1						
	5	FRZE	External Memory Test Bit	0	Y	WV	600 and WV700 a	re diffe	rent		
	6	EXCS	External C Sync Input (CSI Pin)	1	T						
	7	CDL	C Signal Output Delay	3	1						
	8	DYCO	Y Motion Detection Coring	NRMD = 0	2 NRMD =	= 1	2 NRMD =	2	2 NRMD = 3	2	
	9	DYGA	Y Motion Detection Gain	NRMD = 0	10 NRMD =	= 1	10 NRMD =	2	10 NRMD = 3	10	
	10	DCCO	C Motion Detection Coring	NRMD = 0	5 NRMD =	= 1	5 NRMD =	2	5 NRMD = 3	5	
	11	DCGA	C Motion Detection Gain	NRMD = 0	5 NRMD =	= 1	5 NRMD =	2	5 NRMD = 3	5	
	12	WSC	Noise Detection Amount	1					•		
	13	WSS	Noise Detection Pre-Filter Type	0	1						
	14	VAPG	Vertical Apperature Gain	Vivid	0 Standar	ď	0 Movie		0 Pro	0	
	15	VAPI	Vertical Apperature Convergence Point	Vivid	0 Standar	ď	0 Movie		0 Pro	0	
	16	TEST	Test Bit	0					•		
	17	YPFT	Y Peaking BPF Center Frequency	RF	Vivid	3	Standard	3 1	Movie	3 Pro	3
				V1-V4	Vivid	3	Standard	3 1	Movie	3 Pro	3
				Twin	3		-			-	
	18	YPFG	Y Peaking BPF Gain	RF	Vivid	7	7 Standard	7 1	Movie	5 Pro	5
				V1-V4	Vivid	,	Standard		Movie (WV600) ♥	6 Pro	-
				V 1-V4	VIVIU	,	Standard	3	Movie (WV700) ♥	5	5
				Twin	7		-				
	19	SEDC	C Detection High-Freq Sensitivity	0							
			Y Detection Low-Freq Sensitivity	1							
	21	YHCO	Y Output High-Freq Coring	WV700 ♥	2						
				WV600 ♥	3						
	22	YHCG	Y Output High-Freq Gain	0							
	23	SYSP	System Power-down Mode	0	1						
	24	TES2	Test Bits	0	1						



CATEGORY	#	ITEM	DESCRIPTION								D	ATA						
CXA2170P-1	0	YOSW	Y Offset Switch	RF, V1-4		1	480i	(V5, V6)	0	HD (V5,V6)	0	MS		0 V7		1 1	
	1	TCOF			0						(-, -,							
				RF,	V5-7			V5/V6				V7				1		
				V1-V4	480i	480	Р	720P	1080i	480F	VGA	720F	108	80i	MS			
	2	YOF	Y offset	0	15		7	7	7		0		0		7	1		
	3	CBOF	Cb offset	44 🖍	44	4	14	47	44		40		41		34	1		
	4	CROF	Cr offset	44 🛦	44	4	14	47	44		42		42		34	1		
	5	SBRT	SUB brightness	Neutral 7	Temp ♠	20	*SBF	RT is offs	et from a	idjust p	oint (57W)	/700: +4	1, 65WV	700: ·	+6, 57WV	600: +6	6, 65WV600: +4)	
	6	RDRV	R drive gain	Neutral 7	Γemp ♠	45												
	7	GDRV	G drive gain	Neutral 7	Гетр	30	1										480i signal	
	8	BDRV	B drive gain	Neutral 7	Γemp ♠	34	1								* HD	/ VDO -	any non-480i sig	nal
	9	RCUT	R cut-off	Neutral 7	Γemp ♠	41	1											
	10	GCUT	G cut-off	Neutral 7	Гетр	41												
	11	BCUT	B cut-off	Neutral 7	Γemp ♠	35								*	Adjustable	- M Boa	ard CBA	
	12	WBSW	White balance offset	Warm Te	emp	0	Cool	Temp	(Neut	ral Temp	0		*	Adjustable	- B Boa	rd CBA	
	13	SBOF	Sub brightness offset-ColorTemp.	Warm Te	emp	7	Cool	Temp		7				A	Adjustable	- On Lir	ne (STD LIST)	
	14	RDOF	RDRV offset	Warm Te	emp	34	Cool	Temp	34	1					•			-
	15	GDOF	GDRV offset	Warm Te	emp	31	Cool	Temp	3	1								
	16	BDOF	BDRV offset	Warm Te	emp	25	Cool	Temp	34	1								
	17	RCOF	RCUT offset	Warm Te	emp	33	Cool	Temp	3	2								
	18	GCOF	GCUT offset	Warm Te	emp	31	Cool	Temp	3									
	19	BCOF	BCUT offset	Warm Te	emp	27	Cool	Temp	4:	5								
	20	DCOL	Dynamic Color for Cool	Cool Ter	np		Othe)								
CXA2170P-2	0	PICO	Picture+Ref.pulse on/off for G2 adj.		1													
	1	RGBS	RGB CRT ON/OFF combinations		7													
	2	BLKB	Bottom limiter level		0													
	3	RGBL	RGB limmiter level		2													
	4	YLMT	Y limiter level		2													
	5	AGNG	Black/White aging		0]												
	6	AKBO	AKB on/off		0													
	7	CLPP	Clamp pulse phase		3													
	8	CLPG	Clamp gate on/off		0													
	9	CLPS	Clamp pulse start timing shift		0													
	10	PPAD	Picture Position		3]												
	11	SYNP			0													
	12	HVBT			0	1												

24700.2	#	ITEM	EM DESCRIPTION							DA	TA							
2170P-3					RF			V	5,V6				V7			MS	MS	
						V1-V4	480i	480P	1080i	720P	480i	480P	1080i	720P	VGA	Play	Menu	Twin
600 Data	0	SYSM	Selects the signal bandwidth	Vivid	1	1	1	1	3	3	1	1	3	3		3	3	2
			[0:NTSC, 1:FF, 2:HD, 3:DTV]	Standard	1	1	1	1	3	3	1	1	3	3	1	3	3	2
				Movie	1	1	1	1	3	3	1	1	3	3]'	3	3	2
				Pro	1	2	1	1	3	3	1	1	3	3		3	3	2
	1	VMLV	VM output level	7														
	2	VMCR	VM output coring level	Vivid	1	1	1	1	0	0	1	1	0	0		0	3	1
				Standard	1	1	1	1	0	0	1	1	0	0]_	0	3	1
				Movie	1	1	1	1	0	0	1	1	0	0]°	0	3	1
				Pro	1	1	1	1	0	0	1	1	0	0		0	3	1
	3	VMLM	VM limiter level	Vivid	0	0	0	0	0	0	0	0	0	0		0	0	0
				Standard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Movie	0	0	0	0	0	0	0	0	0	0	<u>J</u>	0	0	0
				Pro	0	0	0	0	0	0	0	0	0	0		0	0	0
4	4	VMF0	VM output center frequency	Vivid	0 ▼	2 ▼	1 ∀	2 ▼	2	2	1 ∀ 2 ∀	2 ♥	2	2		2	2	0 2
				Standard	0 ▼ 2 ▼				2	2	1 ∀ 2 ∀		2	2	2	2	2	0 2
				Movie	2	2	2	2	2	2	2	2	2	2		2	2	2
				Pro	2	0	2	2	2	2	2	2	2	2		2	2	2
	5	VMDL	VM output phase	Vivid	15 ▼		11 ♥	11 ∀	10	10	11 ∀ 8 ∀	11 ∀ 8 ∀	10	10		10	10	15 8
				Standard	15 ¥		11 ♥ 8 ♥		10	10		11 ∀ 8 ∀	10	10	8	10	10	15 8
				Movie	8	8	8	8	10	10	8	8	10	10	1	10	10	8
				Pro	8	15	8	8	10	10	8	8	10	10	1	10	10	8
l	6	SHOF	Sharpness gain	Vivid	0 • 4 •	1	2 • 1 V	0	2 • 3 • 2 • •		¹ 2 ●	0	2 • 3 • 2 • V	2 • 3 • 2 ♥		2 ● 3 ●	0	0
				Standard	0 ▼ 2 ▼		1 ∀ 2 ∀	1	2	2	1 ∀ 2 ∀		2	2	0	2	0	0
				Movie	1	1	1	1	1	1	1	1	1	1	1	1	0	1
				Pro	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Ī	7	SHF0	Sharpness center frequency	Vivid	1	1	1	1	1	1	1	1	1	1		1	1	1
				Standard	1	1	1	1	1	1	1	1	1	1	1,	1	1	1
				Movie	1	1	1	1	1	1	1	1	1	1	1'	1	1	1
				Pro	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ļ	8	PROV	Pre-shoot / Over-shoot ratio	Vivid	3	3	3	3	3	3	3	3	3	3		3	3	2
				Standard	3	3	3	3	3	3	3	3	3	3	3	3	3	2
				Movie	3	3	3	3	3	3	3	3	3	3	٦3	3	3	2
			i	Pro	3	3	3	2	3	3	3	3	3	3	7	3	3	2

									/5,V6			V7				MS	MS	
ORY	#	ITEM	DESCRIPTION		RF	V1-V4	480i	480P	1080i	720P	480i	480P	1080i	720P	VGA	Play	Menu	Twin
0P-3	9	F1LV	Sharpness f1	Vivid		0	0	0	3	3	0	0	3	3		3	0	0
			, , , , , , , , , , , , , , , , , , ,	Standard	0	0	0	0	3	3	0	0	3	3	٦.	3	0	0
				Movie	0	0	0	0	3	3	0	0	3	3	- 10	3	0	0
				Pro	0	0	0	0	3	3	0	0	3	3	1	3	0	0
	10	LTLV	LTI level	Vivid	3	3	3	3	3	3	3	3	3	3		3	3	3
				Standard	2	2	3	3	3	3	3	3	3	3	٦.	3	3	3
				Movie	1	1	1	1	1	1	1	1	1	1	- 10	1	1	1
				Pro	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	11	LTMD	LTI mode	Vivid	1	1	1	1	1	1	1	1	1	1		1	1	0
			[0:for B&W, 1:for Black]	Standard	1	1	1	1	1	1	1	1	1	1		1	1	0
				Movie	0	0	0	0	0	0	0	0	0	0	10	0	0	0
				Pro	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	12	CTLV	CTI level	Vivid	0	0	0	0	0	0	0	0	0	0		0	0	0
			[0:Off, 1:Low, 2:Mid, 3:High]	Standard 0 0 0 0 0 0 0 0 0 0	٦,	0	0	0										
			31	Movie	0	0	0	0	0	0	0	0	0	0	- 10	0	0	0
				Pro	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	13	UBOF	User brightness offset			2 ♥	4	7 .	_	_	4 Y	. .				_		4
			_	Vivid	4	3 ♥	3 (4	2	2	3 V	4	2	2		2	2	0
			BRIGHT=BRIGHT+UBOF*2		1 ♥	1 ♥							1.	1.	_	-	t	
				Standard	5 ♥	0	2	3	4	4	2	3	4	4	3	4	4	7
				Movie		0	3	3	3	3	3	3	3	3	1	3	3	2
				Pro	0	0	3	3	3	3	3	3	3	3	1	3	3	4
	14	UCOF	User color offset				-		1 (1 (_	1 •	1 •		1 •	1 •	1
				Vivid	3 ♥	3 ♥	3	1	2	2 0	3	1	2 •	2 •		2 ●	2 ●	2
				VIVIG	0 🔻	1 🔻	1 (,	3	y 3	V 1 V	<u> </u>	3	3		3	3	0
			COLOR=COLOR+UCOF*2		1 ♥						<u> </u>		0	,	0	0 🗸	0 ♥	_
				Standard	0 💙		1				1	1	<u>3</u>		Š	1 ♥		0
				Movie		0	0	0	0	0	0	0	0	0	-	0	0	0
				Pro	0	0	0	0	0	0	0	0	0	0	-	0	0	0
	15	UHOF	User hue offset		1	0	-	y 0 y		y 1	y 1 y) 1 V			1 🗸		1
	-			Vivid	2	3 ∀							2 🔻			2 🔻	2 🗸	2
			[0:HUE+0, 1:HUE+1 ,2:HUE+2, 3:HUE+3]		1 🗸	0		. –	_				7 1 Y			1 🗸	1 🗸	
			[Standard	2 🛡								2 🔻		0	2 🔻	2 🗸	0
				Movie	0	0	0	0	0	0	0	0	0	0	-	0	0	0
				Pro	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	16	MIDE	MID Enhancement setting table	Vivid	7	12	17	22	27	32	17	22	27	32		27	27	57
	10	IVIIDL	WID ETHIANCEMENT Setting table	Standard	5	11	16	21	26	31	16	21	26	31	-	26	26	56
				Movie	3	10	15	24	25	30	15	24	25	30	1	25	25	55
				Pro	0	8	13	18	23	28	13	18	23	28	-	23	23	53
				FIU	U	O	13	10	23	20	13	10	23	20		23	23	JJ
	17	VM	Initial VM [0:off, 1:Low, 2:Mid, 3:High]	Vivid	2	Standard	Ь	3 Movie		2 Pro		0						
	18	VM H	VM high level assignment	Vivid		Standard		15 Movie		12 Pro		15						
	19	VIVI_H VM_M		Vivid		Standard		10 Movie		8 Pro		0						
	20	VM L	VM mid level assignment VM low level assignment	Vivid		Standard		5 Movie		4 Pro		5						
	21	VIVI_L VGAP	vivi iow ievei assigninent	VIVIG 5	+ 3	Stariuar	u	Jiviovie	<u> </u>	4 110		J						
	22	VGAP		0	-					₩ Ivo	V600 and V	/\/700 aro	different					
	23	VGAS		0	-						WV600 and v							
	24	VGAC		0	-						• 000 un							
		VGAU	<u> </u>	5	4													

GORY	#	ITEM	DESCRIPTION							DA	·ΤΑ							
170P-4	0	YCON	Y signal gain	MS	(Others		1										
	1	SPIC	Sub picture	RF, V1-4, 48				ID* (V5,V6)		15 HD (V7)		15 MS	0					
	2	SCOL	Sub color adjustment	RF, V1-4, 48	0i(V5,	V6) ♦	34 H	ID* (V5,V6)		36 HD (V7)		34 MS ♦	31		*HD = 4	180P, 7	20P, 108	0i
	3	SHUE	Sub HUE adjustment	RF, V1-4, 48	0i(V5,	V6) ♦	30 F	D* (V5,V6)	♦ 3	30 HD (V7)) 🔷 🔞	30 MS ♦	30					
	4	SPIO	Sub picture offset	7 🛦														
	5	SCLO	Sub color offset	7 🛕		> >								🐥 Adj	ustable - N	Board (СВА	
	6	SHUO	Sub HUE offset	7 🛕		WV700 WV600			002	009 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		WV600		♦ Adi	ustable - B	Board (CBA	
						$ \geq \geq$			$ \geq \geq$	>		}		♠ Adi	ustable - O	n Line ((TRILIGTS	
	7	UPIC	User Picture gain	Vivid		63	Stand	ard		7 Movie		20 18 Pro) 3		/600 and W			
	8	UBRT	User Brightness	Vivid		28 19	Stand			Movie		34 31 Pro			ooo ana n		o dinoroni	
	9	UCOL	User Color	Vivid		33	Stand			31 Movie		33 Pro						
	10	UHUE	User Hue	Vivid		31	Stand			31 Movie		31 Pro						
	11	USHP	User Sharpness	Vivid			Stand			29 Movie		23 Pro						
	12	UTMP	User Color Temp [0:Low, 1:Mid, 2:High, 3:Inhibit]	Vivid		2	Stand		1 -	1 Movie		0 Pro		1				
	13	R-YR	R-Y/R	8				-						_				
	14	R-YB	R-Y/B	15	1													
	15	G-YR	G-Y/R	9	RF	I		V:	5,V6				V7			MS	MS	
	16	G-YB	G-Y/B	6	1	V1-V4	480i	480P	1080i	720P	480i	480P	1080i	720P	VGA	Play	Menu	Twin
		GAMM	Initial Gamma	Vivid	3	3	3	3	3	3	3	3	3	3	1	3	3	3
	1		[0:Weak, 3:Strong]	Standard	2	2	2	2	2	2	2	2	2	2	1	2	2	2
			3	Movie	1	1	1	1	1	1	1	1	1	1	7	1	1	1
				Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	18 19 20	GAMS GAMR GAMG	GAM shape R output gamma G output gamma	GAMM = 0 GAMM = 0 GAMM = 0	(GAMM = GAMM =	=1	6 4 GA	MM =2 MM =2 MM =2	7 4 4	GAMN GAMN GAMN	l =3	9 9	<mark>7</mark>				
	21	GAMB	B output gamma	GAMM = 0		GAMM :	_		MM =2		3 GAMN		9	7				
	-	C/ (IVID	B output gamma	C) ((VIIVI — O		O/ (IVIIVI		0 4 0/1	IIVIIVI —Z	-	O/ (IVIIV	1 -0	J	_				
					RF			V:	5,V6				V7			MS	MS	
						V1-V4	480i	480P	1080i	720P	480i	480P	1080i	720P	VGA	Play	Menu	Twin
	22	BLK	Initial black level	Vivid	3	3	3	3	3 2	3	3	3	3 ∀ 2 ∀	3 ∨ 2 ∨		3 ♥	3 ∀ 2 ∀	1
				Standard	2	1	1	1	1	1	1	1	1	1		1	1	1
				Movie	0	0	0	0	0	0	0	0	0	0		0	0	0
				Pro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
								▶ 00/\/M					3 002////					
		DCTR	DC tran ratio	BLK = 0				Y 5		LK = 2		LK = 3 ♥		8 15				
	24	APED	Auto pedestal level	BLK = 0		0 BL		Y 1		LK = 2		_K = 3		3				
	25	DSBO	Sub bright offset for UBLK [0:-7step, 15:+8st]	BLK = 0		7 BL	< = 1		7 BI	LK = 2	7 BI	_K = 3		7				
	26	IDSW	ID Switch	0	-													
	27	ABLM	ABL mode	BLK = 0		0 BL		0 BLI	K = 2	1 BL	K = 3	1						
	28	ABLT	ABL threshold voltage	Single Pictur	е	8 Oth	ers	8										
	29	SPOF	Picture offset for Twin, Freeze, & Norm.	0														
	30	DPSQ	Auto Pedestal black size inflection setting	BLK = 0		0 BL	(=1	0 BLI	K = 2	0 BL	K = 3	0						
	31	LRGB	Picture gain control for LRGB (OSD RGB)	0														

					48	0P/960i		540P/1080i	
CATEGORY	#	ITEM	DESCRIPTION	WideZoom	Zoom	Full (Fav,Scroll)	Normal	Full (Twin, MS)	
CXA2170D-1	0	VPOS	Vertical Position			25 ♠			
	1	VSIZ	Vertical Size			31 🛦			
	2	VSZO	V Size offset (PJ only)			0		≈0	
	3	VLIN	Vertical Linearity	5		5			
	4	VSCO	Vertical S-Correction	10		8			
	5	VCEN	Vertical Center			31			Adjustable - M Board CBA
	6	VPIN	Vertical Pin		15*		15	15*	◆ Adjustable - B Board CBA
	7	MVPN	Vertical Middle Pin			0			♠ Adjustable - On Line (STD LIST)
	8	NSCO	Rotation			31			
	9	HTPZ	Horizontal Trapezoid			15			
	10	MHTZ	Middle Horizontal Trapezoid			0			* This data resides in the
	11	ZOOM	Zoom Switch	1	1		0		same location in NVM.
	12	APSW	Aspect Switch	1	1	1	1	0	
	13	ASPT	Aspect Ratio	24	49	5	5	3	
	14	SCRL	Vertical Scroll	29	29	29	29	29	
	15	UVLN	Upper Vertical Linearity	4		0		•	
	16	LVLN	Lower Vertical Linearity	4		0			
CXA2170D-2	0	HCNT	Shading DC			19			
	1	HPOS	Horizontal Position			23		23	
	2	HSIZ	Horizontal Size	31 ♠		31 ♠)		
	3	SLIN	Blue Offset DC	9 🛦		9 ♠			
	4	MPIN	Blue Offset Para-Amp	0		0			
	5	PIN	Horizontal Pin	10		10			
	6	PINO	Pin Off-Set (PJ only)	7	7	7	7	7	
	7	UCP	Upper Corner Pin	31		31			
	8	LCP	Lower Corner Pin	31		31			
	9	UXCG	Upper Extra Corner Pin Gain			0			
	10	LXCG	Lower Extra Corner Pin Gain			0			
	11	UXCP	Upper Extra Corner Pin Position			2			
	12	LXCP	Lower Extra Corner Pin Position			2			
	13	XCPP	Extra Corner Pin Polarity			0			
	14	PPHA	Pin Phase	31		31			
	15	VANG	AFC Angle						
	16	LANG	Shading Phase			31			
	17		AFC Bow			31			
	18	LBOW	Shading Para Amp			48			

	T			I	480F	P/960i		540P/1080i	
CATEGORY	#	ITEM	DESCRIPTION	WideZoom	Zoom	Full (Fav,Scroll)	Normal	Full (Twin, MS)	
CXA2170D-3	0	HBLK	Horizontal Blanking Switch			1		, , ,	
0,0.1202.0	1	LBLK	Left Blanking		5	56		56	
	2	RBLK	Right Blanking			25		25	
	3	VBLK	Vertical Blanking Switch	0	0	1*	1	1*	
	4	TBLK	Top Blanking	7	7	4	4	4	
	5	BBLK	Bottom Blanking	7	7	8	8	6	
	6	AFCM	AFC Loop Gain	,		3		3	
	7	JUMP	Reference Pulse Jump Switch		0*	1	0	0*	
	8	VDJP	Vertical Drive Jump Switch	1	1	1	-	1	
	a	VDST	Vertical Drive Start Switch	•	-	0	•	0	
	10	AKBT	AKB Timing	9	9	J 9	9	9	
CXA2170D-4	n	QPAM	DQP amplitude LEVEL	, , ,	17		17	17*	
070121100-4	1	QPAV	DQP amplitude VERTICAL MODULATION		31		31	31*	
	2	QPAP	DQP amplitude TILT		7		7	7*	
	3	QPDC	DQP DC level		20		20	20*	
	4	QPDV	DQP DC level VERTICAL MODULATION		60		60	60	
	5	QPDP	DQP DC level TILT		7		7	7*	* This data resides in the
	6	CPY1	COPY FUNCTION (Full to Vcomp/normal)		,	0	,		same location in NVM.
	7	DF	DF phase			31			Same location in NVIVI.
	Ω	DQP	DQP phase			31			
	a	DHMT	DH Board Mute			0			
CXA2170D-5	0	VFRQ	Vertical Frequency			1			
CAA2170D-3	1	VON	Vertical Prequency Vertical Drive On Switch			<u>'</u> 1			
	2	EWDC	Pin DC Level Shift			0			
	2	MS15	FH=15K @ MS Mode			0			
	4	HFRQ	Fh setting @multi-scan			80			
	5	HFRX	Reciprocal Fh @mult-scan			25			
	6	VMPS	Vertical Mult-scan Mode			0			
	7	INTR	Free-run Interlace Setting			0			
	0	VLNL	Vertical # of Lines (L)			0			
	0	VLNH	Vertical # of Lines (L)			0			
	10	AGCS	Vertical # 61 Lines (H)			0			
CXA2171	0	MTRX	Matrix	FRGB = 1	3 V5,V6,V7, no		ers 0		
CAAZ171	1	GAIN	Output gain for Video	0	3 03,00,07,110	sync i Othe	15 0		
	2			V5/V6 (480p, 720p,	1090i No Syno)	0 1/7 (/	480p VGA 720p	, 1080i, No Sync)	0 Others 0
	3	FIXS CBGN	SYNC type Output gain for Cb	v5/v6 (460p, 720p, 5 ♣	10001, IND SYIIC)	0 7 (4	-ιουρ, ν ΟΑ , 120β	, rood, ind Sylic)	U Caleis U
	4	CRGN	Output gain for Cr	5 ♣					
	5	YGN	Output gain for Y	5 ♣				Adjustable - M Boa	ard CRA
	6	VTC	V SYNC sep. time constant	0			•		
	7	HTC	H SYNC sep. time constant	Tri-level sync	0 Others	1 1		Adjustable - B Boa	
	0			111-16VEL SYLIC	Ollieis		•	Aujustable - On Line (310 [[31]
	0	HWID	H SYNC width	1 1					
	40	HSEP	SYNC sep. type	1000:	0 046	- 1			
	10	HMSK FRGB	H SYNC MASK during V SYNC period Matrix=3:RGB	1080i V5/V6 (480p, 720p,	0 Others	1	480n VCA 720n	, 1080i, No Sync)	0 Others 0
	111	IRGB	IVIAUIX-J.NGD	ν ο/ ν ο (4ουρ, 720p,	roodi, ind Syfic)	U V / (2	400p, VGA, 720p	, 1000i, NO Syric)	U Otileis U

CATEGORY	#	ITEM	DESCRIPTION	DATA
MID-1	0	DHPH	h active display area phase	H-resolution = 1920 106
	1	DVPH	v active display area phase	H-resolution = 1920 20
Common	2	DHAR	h active display area size	H-resolution = 1920 240
picture	3	DVAR	v active display area size	H-resolution = 1920 135
data	4	DHPW	display h pulse width	H-resolution = 1920 55
	5	DVPW	display v pulse width	H-resolution = 1920 5
	6	DYCD	display output yc signal delay correct	MID Mode = Single Analog 480i 0 Analog Others 0
				MID Mode = Twin 2
				MID Mode = Memo 2
NOTE:				MID Mode = Favorite 2
All data listed				MID Mode = Scroll / Index 2
data unless	7	DYSD	display output ys signal delay correct	Table 0 7 Table 1 4 Table 2 2 Table 3 1 Table = (2170P-3 SYSM) + (2170P-3 SHFO) - 1
	8	MDHP	main display picture h position	H-resolution = 1920 Widemode = Normal 160 Widemode = Others 0
NITIALIZE:	9	MDVP	main display picture v position	Input = 480i / 480P / VGA Widemode = Others 30
Display twin				Input = Others 0
node with one	10	MDHS	main display picture h size	H-resolution = 1920 Widemode = Normal 163 Widemode = Others 240
he other.	11	MDVS	main display picture v size	Input = 480i 120 Widemode = Others 120
Enter service.				Input = Others 135
"7" + "JUMP"	12	MLHP	multi picture mode h position	MID Mode = Twin / Memo 43 MID Mode = Favorite 35 MID Mode = Scroll / Index 40
+ "ENTER"	13	MLVP	multi picture mode v position	MID Mode = Twin / Memo 9 MID Mode = Favorite 30 MID Mode = Scroll / Index 29
Nait until pics	14	SDHP	sub display picture h position	MID Mode = Favorite 167
oecome same	15	SDVP	sub display picture v position	MID Mode = Favorite 6
size. WRITE.	16	SDHS	sub display picture h size	MID Mode = Favorite 115
	17	SDVS	sub display picture v size	MID Mode = Favorite 75
	18	PDHP	PinP Large mode h position	0
	19	PDVP	PinP Large mode v position	\Box_0
	20	PDHS	PinP Large mode h size	\Box_0
	21	PDVS	PinP Large mode v size	\neg_0
	22	DPSW	display pll switch	MID Mode = Single, Input = 1080i 0 Others 0
	23	MDLO	model select	12 MDLO Details ↓ 0 ↓ 1 ↓
				Bit7 Not Used
				Bit6 Not Used
				Bit5 Scroll Sub-Picture (16:9 only) 4:3 Display 16:9 Display
				Bit4 Memory-PLL Freguency 18.54MHz 17.26MHz
				Bit3 ADC-PLL Select Internal External
				Bit2 Frame On/Off (Twin) Off On
	1			Bit1 Display Type (Scroll) 16:9 Model 4:3 Model
	1			Bit0 Display Type (Twin, Memo) 16:9 Model 4:3 Model
	24	BCOL	Background color y	MID Mode = Single Widemode = Normal 5 Widemode = Others 5
	1		[0 = Black, 15 = White]	MID Mode = MS 5
			•	MID Mode = Others 5
	25	DYSS	display output ys signal type select	MID Mode = MS 3
	26	OSDH	Index Sub-Picture OSD H position	MID Mode = Scroll / Index 32
	27	OSDV	Index Sub-Picture OSD V position	MID Mode = Scroll / Index 16

MID2 MID2 MID2 MID2	0 DRHP 1 DRHS 2 DRVP 3 DRVS	H Pos H Size V Pos	117 178
MID2 MID2	1 DRHS 2 DRVP	H Size	178
MID2	2 DRVP		
		v Pos	
IVIID2	3 DKV3	\/ C:==	36
		V Size	120
MID2	ОГОВИВ	LI Doo	154
			162
			37
			120
MIDZ	JUNVS	V Size	120
MID2	0 DRHP	H Pos	118
MID2	1 DRHS	H Size	177
MID2	2 DRVP	V Pos	37
MID2	3 DRVS	V Size	120
MID2	0 DRHP	H Pos	154
			161
			33
			122
14150		lus	
			147
			240
			37
MID3	3 0008	V Size	120
MID3	0 VDHP	H Pos	201
		H Size	216
			44
MID3	3 VDVS	V Size	116
MID3	0 VDHP	H Pos	139
MID3	1 VDHS	H Size	158
MID3	2 VDVE	V Pos	25
MID3	3 VDVS	V Size	179
			·
	MID2 MID2 MID2 MID2 MID2 MID2 MID2 MID2	MID2	MID2 1 DRHS H Size MID2 2 DRVP V Pos MID2 3 DRVS V Size MID2 3 DRVS V Size MID2 1 DRHS H Pos MID2 1 DRHS H Size MID2 2 DRVP V Pos MID2 3 DRVS V Size MID2 MID2 MID2 MID3 MID3

ID MODE SINGLE PICTURE	SERVICE	DATA		
1080i	MID3	0 VDHP	H Pos	100
	MID3	1 VDHS	H Size	240
	MID3	2 VDVE	V Pos	18
	MID3	3 VDVS	V Size	135
MID3				
VGA	MID3	0 VDHP	H Pos	167
Full (Other)	MID3	1 VDHS	H Size	228
l ' '	MID3	2 VDVE	V Pos	36
	MID3	3 VDVS	V Size	119
MID3				
VGA	MID3	0 VDHP	H Pos	213
Normal	MID3	1 VDHS	H Size	207
	MID3	2 VDVE	V Pos	38
	MID3	3 VDVS	V Size	118
MID3				

MID MODE TWIN PICTURE	SERVICE	DATA		
RF, V1-4 RF, V1-4	MID2	0 DRHP	H Pos	145
	MID2	1 DRHS	H Size	165
	MID2	2 DRVP	V Pos	58
	MID2	3 DRVS	V Size	110
MID2 MID3				
	MID3	0 VDHP	H Pos	74
	MID3	1 VDHS	H Size	165
	MID3	2 VDVE	V Pos	25
	MID3	3 VDVS	V Size	56
480i (V5-7)	MID2	0 DRHP	H Pos	144
	MID2	1 DRHS	H Size	164
	MID2	2 DRVP	V Pos	44
	MID2	3 DRVS	V Size	117
MID2				
480P RF, V1-4	MID2	0 DRHP	H Pos	153
	MID2	1 DRHS	H Size	165
	MID2	2 DRVP	V Pos	58
	MID2	3 DRVS	V Size	110
MID3 MID2				
<u> </u>	MID3	0 VDHP	H Pos	188
	MID3	1 VDHS	H Size	220
	MID3	2 VDVE	V Pos	60
	MID3	3 VDVS	V Size	108
			-	-
720P	MID3	0 VDHP	H Pos	160
	MID3	1 VDHS	H Size	148
	MID3	2 VDVE	V Pos	55
	MID3	3 VDVS	V Size	165
MID3				
	+			
	MID3	0 VDHP	H Pos	141
1080i	MID3	1 VDHS	H Size	221
	MID3	2 VDVE	V Pos	41
MID3	MID3	3 VDVS	V Size	124
		1 -11	1. 5.25	
VGA	MID3	0 VDHP	H Pos	198
	MID3	1 VDHS	H Size	213
	MID3	2 VDVE	V Pos	54
	MID3	3 VDVS	V Size	111
MID3				•

RF, V1-4		
MID2		
MID2	H Pos	146
MID2 3 DRVS MID2 3 DRVS MID2 0 DRHP MID2 1 DRHS MID2 2 DRVP MID2 3 DRVS MID2 3 DRVS MID2 3 DRVS MID3 0 VDHP MID3 1 VDHS MID3 2 VDVE MID3 1 VDHS MID3 1 VDHS MID3 2 VDVE MID3 1 VDHS MID3 2 VDVE MID3 3 VDVS VGA FREEZE MID3 0 VDHP MID3 3 VDVS MID3 3 VDVS	H Size	164
MID2	V Pos	58
A80i (V5-7)	V Size	110
MID2		
MID2	H Pos	145
MID2	H Size	163
MID2 3 DRVS MID2 3 DRVS MID3 0 VDHP MID3 1 VDHS MID3 3 VDVS MID3 3 VDVS MID3 1 VDHS MID3 1 VDHS MID3 2 VDVE MID3 2 VDVE MID3 3 VDVS MID3 3 VDVS MID3 1 VDHS MID3 1 VDHS MID3 1 VDHS MID3 1 VDHS MID3 2 VDVE MID3 2 VDVE MID3 3 VDVS VGA FREEZE MID3 0 VDHP MID3 3 VDVS VGA FREEZE MID3 0 VDHP MID3 0 VDHP MID3 1 VDHS MID3 1 VDHS MID3 1 VDHS MID3 0 VDHP MID3 0 VDHP	V Pos	44
MID2	V Size	117
MID3	V OIZO	117
MID3		
MID3	H Pos	188
MID3 3 VDVS	H Size	219
MID3	V Pos	62
MID3	V Size	107
MID3 1 VDHS MID3 2 VDVE MID3 3 VDVS MID3 0 VDHP 1080i FREEZE MID3 1 VDHS MID3 1 VDHS MID3 2 VDVE MID3 3 VDVS		
MID3 2 VDVE MID3 3 VDVS MID3 0 VDHP 1080i FREEZE MID3 1 VDHS MID3 2 VDVE MID3 2 VDVE MID3 3 VDVS	H Pos	161
MID3 3 VDVS	H Size	147
MID3	V Pos	54
MID3 0 VDHP	V Size	165
MID3		
MID3	lus	L 110
MID3 2 VDVE MID3 3 VDVS VGA FREEZE MID3 0 VDHP	H Pos	142
MID3 3 VDVS VGA FREEZE MID3 0 VDHP	H Size	220
VGA FREEZE MID3 0 VDHP	V Pos	43 123
	V Size	123
MID3 1 VDHS	H Pos	204
IVIDO IIVDIO	H Size	210
MID3 2 VDVE	V Pos	60
MID3 3 VDVS	V Size	108
MID3		

MID MODE FAVORITE CHANNEL	SERVICE	DATA		
RF, V1-4 FAV	MID2	0 DRHP	H Pos	146
	MID2	1 DRHS	H Size	165
	MID2	2 DRVP	V Pos	37
	MID2	3 DRVS	V Size	120
MID2 MID3			T	
	MID3	0 VDHP	H Pos	76
	MID3	1 VDHS	H Size	169
	MID3	2 VDVE	V Pos	20
	MID3	3 VDVS	V Size	57
480i (V5-7) FAV	MID2	0 DRHP	H Pos	145
480i (V5-7) FAV	MID2	1 DRHS	H Size	163
	MID2	2 DRVP	V Pos	22
	MID2	3 DRVS	V Pos V Size	128
MID2 MID3	IVIIDZ	פאאטוני	v SIZE	120
WIDS	MID3	0 VDHP	H Pos	76
	MID3	1 VDHS	H Size	172
	MID3	2 VDVE	V Pos	20
	MID3	3 VDVS	V Size	57
	WIIDO	0,1010	V OIZC	01
480P FAV	MID2	0 DRHP	H Pos	154
	MID2	1 DRHS	H Size	172
	MID2	2 DRVP	V Pos	39
Lupa Lupa	MID2	3 DRVS	V Size	115
MID3 MID2	MID2	0 VDHP	III Daa	107
	MID3 MID3	1 VDHS	H Pos H Size	187 219
	MID3	2 VDVE	V Pos	
	MID3			37 120
	IVIID3	3 VDVS	V Size	120
•				
720P FAV	MID3	0 VDHP	H Pos	157
	MID3	1 VDHS	H Size	148
	MID3	2 VDVE	V Pos	60
MID3	MID3	3 VDVS	V Size	162
· · ·				
I I I I I I I I I I I I I I I I I I I	MIDO	O VIDLID	III Daa	1 404
1080i FAV	MID3 MID3	0 VDHP 1 VDHS	H Pos	134 222
10001			H Size	
MID3	MID3 MID3	2 VDVE 3 VDVS	V Pos V Size	45 122
MID3	IVIIDS	3 4042	v Size	122
VGA FAV	MID3	0 VDHP	H Pos	200
	MID3	1 VDHS	H Size	211
	MID3	2 VDVE	V Pos	39
MID3	MID3	3 VDVS	V Size	118
· · · · · · · · · · · · · · · · · · ·				

MID MODE CHANNEL INDEX	SERVICE	DATA		
RF, V1-4 INDEX	MID2	0 DRHP	H Pos	146
	MID2	1 DRHS	H Size	164
	MID2	2 DRVP	V Pos	36
l	MID2	3 DRVS	V Size	120
MID2 MID3	MIDO	I obverie	lus	1 74
	MID3	0 VDHP	H Pos	71
	MID3	1 VDHS	H Size	167
	MID3	2 VDVE	V Pos	24 57
	MID3	3 VDVS	V Size	57
480i (V5-7) INDEX	MID2	0 DRHP	H Pos	145
1 1-001 (V 0-1) INDEX	MID2	1 DRHS	H Size	163
	MID2	2 DRVP	V Pos	21
	MID2	3 DRVS	V Size	128
MID2	WIIDE	OBITTO	V OIZO	120
WIIDE				
480P INDEX	MID2	0 DRHP	H Pos	144
	MID2	1 DRHS	H Size	167
l 	MID2	2 DRVP	V Pos	50
	MID2	3 DRVS	V Size	114
MID3 MID2		*	*	*
	MID3	0 VDHP	H Pos	185
	MID3	1 VDHS	H Size	220
	MID3	2 VDVE	V Pos	44
	MID3	3 VDVS	V Size	116
l			T	
720P INDEX	MID3	0 VDHP	H Pos	160
I I 	MID3	1 VDHS	H Size	147
	MID3	2 VDVE	V Pos	61
I I	MID3	3 VDVS	V Size	162
MID3				
INDEX	MID3	0 VDHP	H Pos	138
1080i	MID3	1 VDHS	H Size	221
	MID3	2 VDVE	V Pos	45
MID3	MID3	3 VDVS	V Size	122
	WILDS	0 1000	v OIZE	122
VGA INDEX	MID3	0 VDHP	H Pos	200
	MID3	1 VDHS	H Size	211
 	MID3	2 VDVE	V Pos	38
	MID3	3 VDVS	V Size	118
MID3				

CATEGORY	#	ITEM	DESCRIPTION	Register	Approx NVM addr	MID Mode						DATA	ı	
MID-3														
	4	VDVO	VDO input V active area line size	vdo_vactv_od	A8 00 80	1080i	0	720p	(480p	0	VGA	0	
	5	VCPO	VDO input V active area odd position			1080i	72	720p	88	480p	122	VGA	122	
VDO input	6	VCWD	VDO input clamp pulse output timing			1080i	3	720p	3	480p	3	VGA	3	
data	7	VYCD	VDO input clamp pulse width			1080i	0	720p	(480p	0	VGA	0	
	8	VSTP	VDO input PLL phase detect stop line count			1080i	137	720p	183	480p	129	VGA	129	
	9	VSTT	VDO input PLL phase detect start line cnt			1080i	0	720p	C	480p	0	VGA	0	
	10	VHSC	VDO input H sync cycle			YC, all 480 in	puts	130	-	-		-		
	11	VFRV	vdo_fld_rev			YC 0	480	i 0 108	0i	0 720p	0	480p	0 VGA	0

CATEGORY	#	ITEM	DESCRIPTION								DAT	A V	WV600 ar	id WV700 a	are differen	t	
MID-5					POP Tab	le Select	(Based	on 2170:N	/IDE setti	na)							
					0	1	2	3	4	5	6	7	8	9	10	11	12
	1	MHLY	m_hlpf_ycoef	WV600 ♥	1	2	4	2	4	1	4	1	1	3	1	4	4
				WV700 ♥	2	2	'		'	2	'	2	!	3	'	'	'
	2	MHLC	m_hlpf_ccoef		3	0	3	3	3	3	3	3	3	3	3	3	3
	3	MVLY	m_vlpf_ycoef		0	0	0	0	0	0	0	0	0	1	0	0	0
	4		m_vlpf_ccoef		0	0	0	0	0	0	0	0	0	1	0	0	0
	5	MHYR	m_henh_ycore	WV600 V	0	0	1	0	2	3	3	3	0	0	0	1	1
				WV700 ♥	Ŭ	Ü	, i	Ü		J	ŭ	J	Ü	Ü	· ·	2	2
	6	MHYL	m_henh_yclip	WV600 ♥	0	0	1	0	1	1	2	1	0	0	0	1	1
				WV700 ♥	Ŭ	Ů		Ů	, i	2	-	2	Ů	Ů	·	2	2
ТО	7	MHYE	m_henh_yenh	WV600 ♥	0	0	5	0	6	0	7	0	0	0	0	7	7
<u>INITIALIZE:</u>				WV700 ♥	Ŭ		Ŭ	Ů	Ŭ	7		7		_	Ů	4	
	8		m_henh_ycof		1	0	1	1	1	1	1	1	1	0	1	1	1
Display twin	9		m_henh_ccore		0	0	0	0	0	0	0	0	0	0	0	0	0
mode with one	10		m_henh_cclip		0	0	0	0	0	0	0	0	0	0	0	0	0
	11		m_henh_cenh		0	0	0	0	0	0	0	0	0	0	0	0	0
side larger than			m_henh_ccof		1	0	0	1	0	0	0	0	0	0	0	0	0
the other.	13	MVYR	m_venh_ycore	WV600 V	0	0	0	0	1	2	2	3	0	0	0	1	1
Enter service.				WV700 ♥			Ů	Ů	·			2				2	3
"7" + "JUMP"			m_venh_yclip		0	0	0	0	1	1	1	1	0	0	0	1	1
+ "ENTER"	15	MVYE	m_venh_yenh	WV600 ♥	0	0	0	0	1	5	3	5	0	0	0	5	5
Wait until pics				VVV700						3		3				3	3
become same			m_venh_ccore		0	0	0	0	0	0	0	0	0	0	0	0	0
size. WRITE.			m_venh_cclip		0	0	0	0	0	0	0	0	0	0	0	0	0
	18	MVCE	m_venh_cenh	<u> </u>	0	0	0	0	0	0	0	0	0	0	0	0	0

CATEGORY	#	ITEM	DESCRIPTION			DATA WV600 and WV700 are different POP Table Select (Based on 2170:MIDE setting)												
MID-5											3/							
						13	14	15	16	17	18	19	20	21	22	23	24	25
	1	MHLY	m_hlpf_ycoef			2	3	2	2	2	1	3	1	1	1	0	1	0
	2	MHLC	m_hlpf_ccoef			3	3	3	3	3	3	3	3	3	3	2	3	2
	3	MVLY	m_vlpf_ycoef			0	1	0	0	0	0	1	0	0	0	0	0	0
TO	4	MVLC	m_vlpf_ccoef			0	1	0	0	0	0	1	0	0	0	0	0	0
<u>INITIALIZE:</u>	5	MHYR	m_henh_ycore		WV600 ♥ WV700 ♥	0	0	0	1	3	0	0	1	2	3	0	0	0
Display twin mode with one	6	MHYL	m_henh_yclip		WV600 ♥ WV700 ♥	0	0	0	2	1	0	0	1	1 2	1	0	0	0
side larger than	7	MHYE	m_henh_yenh		WV600 ♥ WV700 ♥	0	0	0	7	7	0	0	7	4	0 4	0	0	0
the other.						0	0	0	1	1	1	0	1	1	1	1	1	1
Enter service.	9	MHCR	m henh ccore	i		0	0	0	2	2	0	0	0	0	2	0	0	0
"7" + "JUMP"	10	MHCL	m_henh_cclip	1		0	0	0	0	0	0	0	0	0	0	0	0	0
+ "ENTER"	11	MHCE	m henh cenh	+		0	0	0	0	0	0	0	0	0	0	0	0	0
Wait until pics		MHCO	m_henh_ccof	+		0	0	0	1	1	1	0	0	1	1	1	1	1
become same size. WRITE.		MVYR	m_venh_ycore		WV600 ♥ WV700 ♥	0	0	0	1	1	0	0	0	1 2	1 2	0	0	0
	14	MVYL	m_venh_yclip			0	0	0	1	1	0	0	1	1	1	0	0	0
			m_venh_yenh		WV600 ♥ WV700 ▼	0	0	0	5	7 5	0	0	3	5	7	0	0	0
	16	MVCR	m venh ccore	m venh ccor	e	0	0	0	2	2	0	0	0	0	2	0	0	0
	17	MVCL	m venh cclip	m venh cclip		0	0	0	0	0	0	0	0	0	0	0	0	0
	18		m_venh_cenh	m_venh_cenh		0	0	0	0	0	0	0	0	0	0	0	0	0
						POP Tal	ole Select		•	•	•	•	•	•	•		•	
						26	27	28	29	30	31	32	33	34	35	36	37	38
	1	MHLY	m_hlpf_ycoef		•	0	0	0	3	0	0	0	1	3	1	1	1	1
	2	MHLC	m_hlpf_ccoef			2	2	0	3	0	0	0	3	3	3	3	3	3
	3	MVLY	m vlpf ycoef			0	0	0	1	0	0	0	0	1	0	0	0	0
	4	MVLC	m_vlpf_ccoef			0	0	0	1	0	0	0	0	1	0	0	0	0
NOTE:	5	MHYR	m_henh_ycore			2	2	0	0	0	1	3	0	0	1	1	1	1
All data listed	6	MHYL	m_henh_yclip			1	1	0	0	0	1	1	0	0	1	2	2	1
here is INITIAL	7	MHYE	m_henh_yenh			5	5	0	0	4	7	4	0	0	2	2	7	7
data unless	8	MHYO	m_henh_ycof			1	1	1	0	1	1	1	1	0	1	1	1	1
marked by *.	9	MHCR	m henh ccore	ĺ		2	3	0	0	0	1	3	0	0	0	0	0	0
,	10	MHCL	m henh cclip			2	2	0	0	0	2	2	0	0	0	0	0	0
	11	MHCE	m henh cenh	İ		2	2	0	0	0	2	2	0	0	0	0	0	0
	12	MHCO	m_henh_ccof	İ		1	1	1	0	1	1	1	Ö	0	0	0	0	0
	13	MVYR	m venh ycore			2	2	0	0	0	1	3	0	0	1	1	2	0
	14	MVYL	m_venh_yclip			1	1	0	0	0	1	1	0	0	1	1	1	0
	15	MVYE	m_venh_yenh	1		3	7	0	0	0	4	3	0	0	5	7	5	0
	16	MVCR	m venh ccore			2	3	0	0	0	1	3	0	0	0	0	0	0
	17	MVCL	m_venh_cclip	-		1	1	0	0	0	1	1	0	0	0	0	0	0
	18		m venh cenh			2	3	0	0	0	4	3	0	0	0	0	0	0

CATEGORY	#	ITEM	DESCRIPTION							DA	ГА					
MID-5				POP Ta	ole Select											
				39	40	41	42	43	44	45	46	47	48	49	50	51
NOTE:	1	MHLY	m_hlpf_ycoef	3	1	1	1	0	3	0	0	0	0	0	0	0
All data listed	2	MHLC	m_hlpf_ccoef	3	3	3	3	0	3	0	0	0	0	0	0	0
here is INITIAL	3	MVLY	m_vlpf_ycoef	1	0	0	0	0	1	0	0	0	0	0	0	0
data unless	4	MVLC	m_vlpf_ccoef	1	0	0	0	0	1	0	0	0	0	0	0	0
marked by *.	5	MHYR	m_henh_ycore	0	1	1	1	0	0	0	0	0	0	0	0	0
	6	MHYL	m_henh_yclip	0	1	2	2	1	0	1	1	1	1	1	1	1
TO	7	MHYE	m_henh_yenh	0	3	2	7	2	0	4	7	7	2	2	4	7
<u>INITIALIZE:</u>	8	MHYO	m_henh_ycof	0	1	1	1	0	0	0	0	0	0	0	0	0
Display twin	9	MHCR	m_henh_ccore	0	0	0	0	0	0	0	1	1	0	0	0	1
mode with one	10	MHCL	m_henh_cclip	0	0	0	0	0	0	0	1	1	0	0	0	1
side larger than	11			0	0	0	0	0	0	0	4	4	0	0	0	4
the other.	12	MHCO	m_henh_ccof	0	0	0	0	0	0	0	1	1	0	0	0	1
Enter service.	13	MVYR	m_venh_ycore	0	1	1	1	0	0	0	0	0	0	0	0	0
"7" + "JUMP"			m_venh_yclip	0	1	1	1	0	0	1	1	1	0	0	1	1
+ "ENTER"	15	MVYE	m_venh_yenh	0	4	7	5	0	0	4	4	4	0	0	4	4
Wait until pics	16	MVCR	m_venh_ccore	0	0	0	0	0	0	0	1	1	0	0	0	1
become same	17	MVCL	m_venh_cclip	0	0	0	0	0	0	0	1	1	0	0	0	1
size. WRITE.	18	MVCE	m_venh_cenh	0	0	0	0	0	0	0	4	4	0	0	0	4

CATEGORY	#	ITEM	DESCRIPTION									DA	ГА					
MID-5						POP Ta	ble Select											
						52	53	54	55	56	57	58	59	60	61	62	63	64
	1	MHLY	m_hlpf_ycoef			0	0	0	0	0	0	0	0	0	0	0	0	0
	2	MHLC	m_hlpf_ccoef			0	0	0	0	0	0	0	0	0	0	0	0	0
	3	MVLY	m_vlpf_ycoef			0	0	0	0	0	0	0	0	0	0	0	0	0
NOTE:	4	MVLC	m_vlpf_ccoef			0	0	0	0	0	0	0	0	0	0	0	0	0
All MID data	5	MHYR	m_henh_ycore			0	0	0	0	0	0	0	0	0	0	0	0	0
here is INITIAL	6	MHYL	m_henh_yclip			1	0	0	0	0	0	0	0	0	0	0	0	0
data unless	7	MHYE	m_henh_yenh			7	0	0	0	0	0	0	0	0	0	0	0	0
marked by *.	8	MHYO	m_henh_ycof			0	0	0	0	0	0	0	0	0	0	0	0	0
	9	MHCR	m_henh_ccore			1	0	0	0	0	0	0	0	0	0	0	0	0
	10	MHCL	m_henh_cclip			1	0	0	0	0	0	0	0	0	0	0	0	0
	11	MHCE	m_henh_cenh			4	0	0	0	0	0	0	0	0	0	0	0	0
	12	MHCO	m_henh_ccof			1	0	0	0	0	0	0	0	0	0	0	0	0
	13	MVYR	m_venh_ycore			0	0	0	0	0	0	0	0	0	0	0	0	0
	14	MVYL	m_venh_yclip			1	0	0	0	0	0	0	0	0	0	0	0	0
	15	MVYE	m_venh_yenh			4	0	0	0	0	0	0	0	0	0	0	0	0
	16	MVCR	m_venh_ccore			1	0	0	0	0	0	0	0	0	0	0	0	0
	17	MVCL	m_venh_cclip			1	0	0	0	0	0	0	0	0	0	0	0	0
	18	MVCE	m_venh_cenh			4	0	0	0	0	0	0	0	0	0	0	0	0
	19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	SHLY SHLC SVLY SVLC SHYR SHYL SHYE SHYO SHCR SHCC SHCC SHCC SHCC SHCL SHCE SHCL SHCE SHCO SVYR SVYL	s_hlpf_ycoef s_hlpf_ccoef s_vlpf_ccoef s_vlpf_ccoef s_henh_ycore s_henh_yclip s_henh_yenh s_henh_ycof s_henh_ccore s_henh_ccoip s_henh_ccoip s_henh_ccoip s_henh_ccof s_henh_ccof s_henh_ccof s_henh_ccof s_venh_ycore s_venh_ycore s_venh_yclip s_venh_yenh			MS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0												
	34	SVCR	s_venh_ccore			0	I											
	35 36	SVCL	s_venh_cclip s venh cenh			0	+											
0.7405000	30	SVUE	2_verui_ceriii	400: \/C	Other	U												
CXA3506R	0	MCON	Main Contrast	480i,YC 64	Others 64 ♦	4				dinotable	M Daniel O	DΛ						
	1			_	128 ♦						M Board C							
	1	SCOR	Sub Contrast Red	128						,	B Board C							
	2	SCOG	Sub Contrast Green	128	128				♠ Adju	stable - On	Line (STD	LIST)						
	3	SCOB	Sub Contrast Blue	128	128 ♦													
	4	RGB	RGB Out	0	0													

CATEGORY	#	ITEM	DESCRIPTION								DATA	١					
AUDIO	0	ASYS	Stereo System 0:BiAmp, 1:3D	57":	0	65":	0										
	1	TRCV	Fc= 0: 3KHz, 1: 5KHz, 2: 7KHz	57":		65":	0										
	2	BACV	Fc= 0:80Hz, 1: 160Hz, 2: 240Hz	57":	1	65":	2										
	3	MDCV	Fc= 0: 500Hz, 1: 1KHz, 2: 2KHz	57":	1	65":	1										
	4	SVHI	Sub Vol Hi Freq (1db/step, 0:-7dB, 7:0dB)	57":	5	65":	5										
	5	SVLO	Sub Volume Low Freq	57":	6	65":	6										
	6	MIDL	Mid Cut Off	57":	9	65":	9										
	7	LOFQ	Woofer Cut Off	57":	4	65":	4				Y V	VV600 and WV	700 are diffe	erent			
	8	SBAS	Sub Bass	57":	9	65":	9								_		
	9	BSFQ	Bass Cut Off	57":	7	65":	7										
	10	STRE	Sub Treble	57":	4	65":	5										
	11	TRFQ	Treble Cut Off	57":	7	65":	7										
	12	PSEF	Pseudo Stereo Effect	57":	5	65":	5										
	13	AGCL	AGC Level (0:500mV)	57":		65":	0										
			,	57"	Surr	ound OFI	F	57" Trusurrou	und	57" Sim	ulated	65" Surro	und OFF	6	5" Trusurround	65" Simulated	
				Stdy Snd	AUTO	Stdy Snd	OFF	-		-		Stdy Snd AUTO	Stdy Snd O	FF	_	_	
	14	BBE	BBE Switch [1: On , 0: Off]	1		1		1		1		1	1		1	1	
	15	2 12 7 12 1		2		2		3		2		2	2		3	2	
	16	ÿ		1		1		1		1		2	2		3	2	
	17	BB2P	BBE2 High	0		0		0		0		0	0		0	0	
	18	ű		0		0		0		0		0	0		0	0	
											<u> </u>	-				-	
	19	TRS1	TruSurround Center	F 711.	т.			-									
		IIROI		5/":	1 4	65":	4										
	20		TruSurround Space	57": 57":		65": 65":	4 5										
SNNR			TruSurround Space		5												
SNNR	20	TRS2		57":	5												
SNNR	20	TRS2 MODE	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF)	57": 0	5		5	SNNR=1	SNI	NR=2	SNNR=	3 SNNR	-4 SN	INR=5	SNNR=6	SNNR=7	
SNNR	20	TRS2 MODE	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF)	57": 0	5	65":	5	SNNR=1 15		NR=2 31	SNNR=	3 SNNR=	-4 SN	INR=5 85	SNNR=6 127	SNNR=7 180	
SNNR	20 0 1	TRS2 MODE SNNR	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting	57": 0	5	65": SNNF	5 R=0		(-4 SN				
	20 0 1	TRS2 MODE SNNR WSLT	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold	57": 0	5	65": SNNF 0	5 R=0	15	;	31	45	63	=4 SN	85	127	180	
RF	20 0 1 2 3	TRS2 MODE SNNR WSLT CPFG	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG	57": 0	5	65": SNNF 0 0	5 R=0	15 0		31 1	45 0	63 1	-4 SN	85 1	127 2 3	180 2 3	
RF Noise	20 0 1 2 3 4	TRS2 MODE SNNR WSLT CPFG CPFT	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT	57": 0 0	5	65": SNNF 0	5 R=0	15 0 0		31 1 2	45 0 0	63 1 2	-4 SN	85 1 3	127 2	180 2	
RF Noise	20 0 1 2 3 4	TRS2 MODE SNNR WSLT CPFG CPFT	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT	57": 0 0	5	65": SNNF 0 0	5 R=0	15 0 0 2		31 1 2	45 0 0	63 1 2 2	-4 SN	85 1 3 3	127 2 3	180 2 3	
RF Noise	20 0 1 2 3 4	MODE SNNR WSLT CPFG CPFT CCOR	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR	57": 0 0	5	65": SNNF 0 0 0	₹=0	15 0 0 2 0		31 1 2 2 1	45 0 0 2 1	63 1 2 2 2	-4 SN	85 1 3 3	127 2 3 3	180 2 3	
RF Noise	20 0 1 2 3 4	MODE SNNR WSLT CPFG CPFT CCOR	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG	57": 0 0	5	SNNF 0 0 0 0	₹=0	15 0 0 2 0		31 1 2 2 1	45 0 0 2 1	63 1 2 2 2 1	=4 SN	85 1 3 3 2 1	127 2 3 3	180 2 3 3	
RF Noise	20 0 1 2 3 4 5	MODE SNNR WSLT CPFG CPFT CCOR	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG	0 0 WV600 WV700	▼	SNNF 0 0 0	₹=0	15 0 0 2 0 1		31 1 2 2 1 1	45 0 0 2 1 1 0	63 1 2 2 2 1 0	-4 SN	85 1 3 3 2 1	127 2 3 3 1 0	180 2 3 3 1 0	
RF Noise	20 0 1 2 3 4 5	MODE SNNR WSLT CPFG CPFT CCOR	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0	5	15 0 0 2 0 1 0		31 1 2 2 1 1 0 3	45 0 0 2 1 1 0 5	63 1 2 2 2 1 0 6	54 SN	85 1 3 3 2 1 0 7	127 2 3 3 1 0 8	180 2 3 3 1 0	
RF Noise	20 0 1 2 3 4 5	MODE SNNR WSLT CPFG CPFT CCOR CHCG CAPG 3SHP	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG 2103-1:SHAP = USHP - 3SHP	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0 0	₹=0	15 0 0 2 0 1 0 2 0		31 1 2 2 2 1 1 0 3	45 0 0 2 1 1 0 5	63 1 2 2 2 2 1 0 6	-4 SN	85 1 3 3 2 1 0 7	127 2 3 3 1 0 8	180 2 3 3 1 0 10	
RF Noise	20 0 1 2 3 4 5 6 7 8	MODE SNNR WSLT CPFG CPFT CCOR CHCG CAPG 3SHP	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG 2103-1:SHAP = USHP - 3SHP	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0 0 0	₹=0	15 0 0 2 0 1 0 2 0 1		31 1 2 2 1 1 1 0 3 0	45 0 0 2 1 1 0 5 0	63 1 2 2 2 1 0 6	-4 SN	85 1 3 3 2 1 0 7 0 2	127 2 3 3 1 0 8 0 2	180 2 3 3 1 0 10 10 1	
RF Noise	20 0 1 2 3 4 5 6 7 8	MODE SNNR WSLT CPFG CPFT CCOR CHCG CAPG 3SHP	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG 2103-1:SHAP = USHP - 3SHP 3DNR:YLV = YLV + NYNR 3DNR:CLV = CLV + NCNR	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0 0 0 0 0 0 0 0 0 0	₹=0	15 0 0 2 0 1 0 2 0 1 1 0		31 1 2 2 1 1 1 0 3 0 1	45 0 0 2 1 1 0 5 0	63 1 2 2 2 1 0 6 0 2 2	-4 SN	85 1 3 3 2 1 0 7 0 2 2	127 2 3 3 1 0 8 0 2 2	180 2 3 3 1 0 10 10 2 2	
RF Noise	20 0 1 2 3 4 5 6 7 8	MODE SNNR WSLT CPFG CPFT CCOR CHCG CAPG 3SHP NYNR NCNR NYMG	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG 2103-1:SHAP = USHP - 3SHP 3DNR:YLV = YLV + NYNR 3DNR:CLV = CLV + NCNR 3DNR:YMG = YMG - NYMG	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	₹=0	15 0 0 2 0 1 0 2 0 1 1 0 2 0		31 1 2 2 1 1 0 3 0 1 1	45 0 0 2 1 1 0 5 0 1 1	63 1 2 2 2 1 0 6 0 2 2	-4 SN	85 1 3 3 2 1 0 7 0 2 2 2	127 2 3 3 1 0 8 0 2 2 0	180 2 3 3 1 0 10 1 2 2 0	
RF Noise	20 0 1 2 3 4 5 6 7 8 9 10 11 12	MODE SNNR WSLT CPFG CPFT CCOR CHCG CAPG 3SHP NYNR NCNR NYMG NCMG	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG 2103-1:SHAP = USHP - 3SHP 3DNR:YLV = YLV + NYNR 3DNR:CLV = CLV + NCNR 3DNR:YMG = YMG - NYMG 3DNR:CMG = CMG - NCMG	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0 0 0 0 0 0	₹=0	15 0 0 2 0 1 0 2 0 1 1 0 2 0 1 1 0 0		31 1 2 2 1 1 1 0 3 0 1 1 1 0	45 0 0 2 1 1 0 5 0 1 1 0 0	63 1 2 2 2 1 0 6 0 2 2 2 0 0	-4 SN	85 1 3 3 2 1 0 7 0 2 2 0 0	127 2 3 3 1 0 8 0 2 2 2 0 0	180 2 3 3 1 0 10 1 2 2 0 0	
RF Noise	20 0 1 2 3 4 5 6 7 8 9 10 11 12 13	TRS2 MODE SNNR WSLT CPFG CPFT CCOR CHCG CAPG 3SHP NYNR NCNR NYMG NCMG NYLT	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG 2103-1:SHAP = USHP - 3SHP 3DNR:YLV = YLV + NYNR 3DNR:CLV = CLV + NCNR 3DNR:YMG = YMG - NYMG 3DNR:CMG = CMG - NCMG 3DNR:CMG = CMG - NCMG	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	₹=0	15 0 0 2 0 1 0 2 0 1 1 0 0 1 1 0 0		31 1 2 2 1 1 1 0 0 3 0 1 1 1 0 0	45 0 0 2 1 1 0 5 0 1 1 1 0 0	63 1 2 2 2 1 0 6 0 2 2 2 0 0	-4 SN	85 1 3 3 2 1 0 7 0 2 2 2 0 0	127 2 3 3 1 0 8 0 2 2 0 0 0 6	180 2 3 3 1 0 10 1 2 2 0 0 8	
RF Noise	20 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14	MODE SNNR WSLT CPFG CPFT CCOR CHCG CAPG 3SHP NYNR NYNR NYMR NYMG NYMG NYLT NYNC	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG 2103-1:SHAP = USHP - 3SHP 3DNR:YLV = YLV + NYNR 3DNR:CLV = CLV + NCNR 3DNR:YMG = YMG - NYMG 3DNR:YMG = YMG - NYMG 3DNR:YLT = YLT - NYLT 3DNR:YNC = YNC - NYNC 3DNR:YNC = YNC - NYNC	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0 0 0 0 0 0 0 1 1	5	15 0 0 2 0 1 0 2 0 1 1 0 0 1 1 0 0		31 1 2 2 1 1 1 0 0 3 0 1 1 1 0 0	45 0 0 2 1 1 0 5 0 1 1 0 0 0	63 1 2 2 2 1 0 6 0 2 2 2 0 0	-4 SN	85 1 3 3 2 1 0 7 0 2 2 2 0 0 4	127 2 3 3 1 0 8 0 2 2 2 0 0 6 2	180 2 3 3 1 0 10 1 2 2 0 0 0 8 2	
RF Noise	20 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	MODE SNNR WSLT CPFG CPFT CCOR CHCG CAPG 3SHP NYNR NCNR NYMG NCMG NYLT NYNC	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG 2103-1:SHAP = USHP - 3SHP 3DNR:YLV = YLV + NYNR 3DNR:CLV = CLV + NCNR 3DNR:YMG = YMG - NYMG 3DNR:CMG = CMG - NCMG 3DNR:YLT = YLT - NYLT 3DNR:YNC = YNC - NYNC	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0 0 0 0 0 0 0 1 0	₹=0	15 0 0 2 0 1 1 0 2 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 0 1 1 1 1 0		31 1 2 2 1 1 1 0 0 3 0 1 1 1 0 0 0 1 1	45 0 0 2 1 1 1 0 5 0 1 1 1 0 0 0 0 1 1 0 0 0 0 0	63 1 2 2 2 1 1 0 6 0 2 2 2 0 0 3 3 2	-4 SN	85 1 3 3 2 1 0 7 0 2 2 2 0 0 4 2	127 2 3 3 1 0 8 0 2 2 2 0 0 6 2 2	180 2 3 3 1 0 10 1 2 2 0 0 0 8 2	
RF Noise	20 1 2 3 4 5 6 7 8 9 10 11 12 13 13 14 15 16 17	MODE SNNR WSLT CPFG CPFT CCOR CHCG CAPG 3SHP NYNR NCNR NYMG NYLT NYHC NYCO 7SHP 7YF1	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG 2103-1:SHAP = USHP - 3SHP 3DNR:YLV = YLV + NYNR 3DNR:CLV = CLV + NCNR 3DNR:YMG = YMG - NYMG 3DNR:YMG = YMG - NYMG 3DNR:YMG = CMG - NCMG 3DNR:YLT = YLT - NYLT 3DNR:YNC = YNC - NYNC 3DNR:YCO = YCO - NYCO 2170-P4:USHP = USHP - (7SHP x 4) 2170-P3:F1LV = F1LV - 7YF1	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	15 0 0 2 0 1 1 0 2 0 1 1 1 0 0 0 1 1 1 0 0		31 1 2 2 1 1 1 0 3 0 1 1 1 0 0 0 1 1 1	45 0 0 2 1 1 0 5 0 1 1 1 0 0 0 0 1 1 0 0 0 0 0 0	63 1 2 2 2 2 1 1 0 6 0 2 2 2 0 0 3 3 2 0	-4 SN	85 1 3 3 2 1 0 7 0 2 2 0 0 4 2 0 1	127 2 3 3 1 0 8 0 2 2 2 0 0 6 2 0	180 2 3 3 1 0 10 1 2 2 0 0 0 8 2 0	
RF Noise	20 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	TRS2 MODE SNNR WSLT CPFG CPFT CCOR CHCG CAPG 3SHP NYNR NCNR NYMG NYLT NYNC NYCO 7SHP 7YF1 7LTI	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG 2103-1:SHAP = USHP - 3SHP 3DNR:YLV = YLV + NYNR 3DNR:CLV = CLV + NCNR 3DNR:YMG = YMG - NYMG 3DNR:YMG = YMG - NYMG 3DNR:YLT = YLT - NYLT 3DNR:YYCO = YCO - NYCO 2170-P4:USHP = USHP - (7SHP x 4) 2170-P3:F1LV = F1LV - 7YF1 2170-P3:LTLV = LTLV - 7LTI	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 5 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	15 0 0 2 0 1 1 0 2 0 1 1 1 0 0 0 1 1 1 0 0 0 1 1 0 0 0 0		31 1 2 2 1 1 1 0 3 0 1 1 1 0 0 0 1 1 1 0 0	45 0 0 2 1 1 0 5 0 1 1 1 0 0 0 0 1 1 0 0 0 0 0 0	63 1 2 2 2 1 0 6 0 2 2 2 0 0 0 3 3 2 0 0	-4 SN	85 1 3 3 2 1 0 7 0 2 2 2 0 0 4 2 0 1 2	127 2 3 3 1 0 8 0 2 2 2 0 0 6 2 0	180 2 3 3 1 0 10 1 2 2 0 0 0 8 2 0 1 3	
RF Noise	20 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	TRS2 MODE SNNR WSLT CPFG CPFT CCOR CHCG CAPG 3SHP NYNR NCNR NYMG NYLT NYNC NYCO 7SHP 7YF1 7LTI 7CTI	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCO = CHCG 3DCOMG:VAPG = YAPG - CAPG 2103-1:SHAP = USHP - 3SHP 3DNR:YLV = YLV + NYNR 3DNR:YLV = YLV + NYNR 3DNR:CLV = CLV + NCNR 3DNR:YMG = YMG - NYMG 3DNR:YMG = CMG - NCMG 3DNR:YLT = YLT - NYLT 3DNR:YNC = YNC - NYNC 3DNR:YCO = YCO - NYCO 2170-P4:USHP = USHP - (7SHP x 4) 2170-P3:LTLV = LTLV - 7LTI 2170-P3:LTLV = LTLV - 7LTI	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0	5	15 0 0 2 0 1 0 2 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0		31 1 2 2 2 1 1 1 0 0 3 0 1 1 1 0 0 0 1 1 1 0 0 0 0	45 0 0 2 1 1 0 5 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	63 1 2 2 2 1 0 6 0 2 2 0 0 3 2 0 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0	-4 SN	85 1 3 3 2 1 0 7 0 2 2 0 0 4 2 0 1 2 0 0 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0	127 2 3 3 1 0 8 0 2 2 0 0 6 2 0 1 1 2 0 0	180 2 3 3 1 0 10 1 2 2 0 0 8 2 0 1 3 0 0	
RF Noise	20 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	TRS2 MODE SNNR WSLT CPFG CPFT CCOR CHCG CAPG 3SHP NYNR NCNR NYMG NYLT NYNC NYCO 7SHP 7YF1 7LTI	TruSurround Space SNNR Mode (0: Auto: 1: SNNR, 2: OFF) Noise Reduction Level Setting WSL Noise Limit Threshold 3DCOMB:YPFG = YPFG - CPFG 3DCOMB:YPFT = YPFT - CPFT 3DCOMB:YHCO = CCOR 3DCOMB:YHCG = CHCG 3DCOMG:VAPG = YAPG - CAPG 2103-1:SHAP = USHP - 3SHP 3DNR:YLV = YLV + NYNR 3DNR:CLV = CLV + NCNR 3DNR:YMG = YMG - NYMG 3DNR:YMG = YMG - NYMG 3DNR:YLT = YLT - NYLT 3DNR:YYCO = YCO - NYCO 2170-P4:USHP = USHP - (7SHP x 4) 2170-P3:F1LV = F1LV - 7YF1 2170-P3:LTLV = LTLV - 7LTI	57": 0 0 WV600 WV700 WV600	▼	SNNF 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5	15 0 0 2 0 1 1 0 2 0 1 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0		31 1 2 2 1 1 1 0 0 3 0 1 1 1 0 0 0 1 1 1 0 0 0 1	45 0 0 2 1 1 0 5 0 1 1 1 0 0 0 0 0	63 1 2 2 2 1 0 6 0 2 2 2 0 0 0 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0	-4 SN	85 1 3 3 2 1 0 7 0 2 2 0 0 4 2 0 1 2 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	127 2 3 3 1 0 8 0 2 2 2 0 0 6 2 0 1 2	180 2 3 3 1 0 10 1 2 2 0 0 8 2 0 1 3 0	

CATEGORY	#	ITEM	DESCRIPTION		DATA
CCD	0	HPRM	CCD/V-CHIP(Main) OSD H position	60 ♠	
	1	HPRS	CCD/V-CHIP(Sub) OSD H position	60 ♠	
	2	YSYM	Caption Background select(Main⋐)	0	
CC and	3	CCDI	Interuption count(Main⋐)	3	
V Chip	4	CRIP	CRI count & Parity count	4	
	5	PHLD	Peak hold for Data slice(Main⋐)	0	
	6	CHMK	H Mask width(Main⋐)	52	Adjustable - M Board CBA
	7	LANG	V-Chip Disp. Language	2	◆ Adjustable - B Board CBA
	8	DATA	Slice data OSD on/off	0	♠ Adjustable - On Line (STD LIST)
	9	VCHP	V-CHIP Blocking function on/off	0	
	10	CLMP	Clamp voltage for V-IN	0	
	11	SYSV	SYNC slice voltage for V-IN	4	
	12	ID1	ID-1 ON/OFF	1	1
	13	ID1M	ID-1 Mode	1	1
	14	FPOL	Field polarlity	0	1
	15	BWHT	Banner white level	0	
	16	MESH	Banner back ground type	0	1
	17	BNBB	Banner back ground color-Blue	1	1
	18	BNBG	Banner back groung color-Green	1	1
	19	BNBR	Banner back ground color-Red	0	
	20	CMP1	Banner back ground level1 comp	2	1
	21	CMP2	Banner back ground level2 comp	5	1
	22	CMP3	Banner back ground level3 comp	3	1
	23	CWHT	Caption white level	3	1
	24	VSDW	V sync detection width	1	1
	25	BFRQ	XDS banner display PLL frequency	0	
	26	BPOS		0	
	27	BFRM		1	
	28	BTIM		0	1

CATEGORY	#	ITEM	DESCRIPTION		DA	TA
3DNR	0	WHCT	PLL Divider setting	44		
(TC90A90F)	1	NIQM	U/V input polarity	1		
	2	CLPW	A/D Clamp Pulse width	30		
	3	CLPP	A/D Clamp Pulse Phase	80		
3D Noise	4	YHBW	Y H Blanking width	138	1	
Reduction	5	YBKL	Y Blanking level adjustment	0	1	
	6	YBKO	Internal Y H Blanking ON/OFF	0	1	
	7	MUTE	Signal Output Muting	0	1	
	8	YHBS	Y H Blanking start point	40	1	
	9	CHBW	U/V H Blanking width	138	1	
	10	CBKO	U/V H Blanking start point	40	1	
	11	CHBO	Internal U/V H Blanking ON/OFF	0	1	
	12	VHBL	V H Blanking level adjustment	0	1	
	13	UHBL	U H Blanking level adjustment	0	1	
	14	UVDL	U/V output delay	0	1	
	15	YDL	Y output delay	0	1	
	16	PVDI	VD input polarity	0	1	
	17	PHDI	HD input polarity	0	1	
		HDW	HD pulse width	16	1	
		PVDO	VD output polarity	0	1	
		PHDO	HD output polarity	0	1	
	21	HST	HD out pulse start position	54	1	
	22	VDL	VD out Pulse start position	0	1	
	23	VDW	VD out Pulse width	3	-	
	24	NDET	Noise detection point	0	-	
	25	NVP	Noise detect line	2	-	
	26	NDTS	Noise detect line Noise detect sencitivity	3	1	
	27	HROF	H Reference pulse ON/OFF (ON=0)	0	1	
	28	NDGW	Noise detect gate width	9	1	
	29	UOFS	U Offset level	1	1	
		POT	Output Port 0/1 Control	0	-	
	31	UVF	UV Frag polarity	0	-	
	32	APC	AP Clock polarity	1	-	
	33	DAP	DAC power save (ON=1)	0	4	
	34	YLV	Y NR level	Vivid	RF/V1-V4	9 V5-V7 (480i) 8
	34	1 L V	i NK level	Standard	RF/V1-V4	9 V5-V7 (480i) 8 9 V5-V7 (480i) 8
				Movie	RF/V1-V4	8 V5-V7 (480i) 8
				Pro	RF/V1-V4	8 V5-V7 (480i) 8
	35	YST	Setup forced standard detection	0	KF/V 1-V4	0 73-77 (4001)
	36	YNT	Y NTSC Standard detection	1	4	
					4	
	37	YPL	Y PAL Standard detection	1	-	
	38 39	YMV	Y Moving detection filter (ON=0)	0	DEA(4.)(4	0 \ (5 \ \ (7 \ (400) \)
	39	YCR	Y Moving detection Coring level	Vivid	RF/V1-V4	3 V5-V7 (480i) (
				Standard	RF/V1-V4	3 V5-V7 (480i) (
				Movie	RF/V1-V4	3 V5-V7 (480i)
	L_	1400	W 0 %	Pro	RF/V1-V4	3 V5-V7 (480i)
		VOS	V Offset level	0		
	41	YMG	Y Moving detection gain	Vivid	RF/V1-V4	3 V5-V7 (480i)
				Standard	RF/V1-V4	3 V5-V7 (480i)
				Movie	RF/V1-V4	3 V5-V7 (480i)
		I		Pro	RF/V1-V4	3 V5-V7 (480i)

CATEGORY	#	ITEM	DESCRIPTION			DATA
3DNR	42	YEG	Y Moving detect on (ON=1)	0		
(TC90A90F)	43	YEL	Y edge moving detection sensitivity	Vivid	RF/V1-V4	6 V5-V7 (480i) 6
,				Standard	RF/V1-V4	6 V5-V7 (480i) 6
				Movie	RF/V1-V4	6 V5-V7 (480i) 6
				Pro	RF/V1-V4	6 V5-V7 (480i) 6
3D Noise	44	YLM	Y NR Feed back limit level	Vivid	RF/V1-V4	6 V5-V7 (480i) 6
Reduction				Standard	RF/V1-V4	6 V5-V7 (480i) 6
				Movie	RF/V1-V4	6 V5-V7 (480i) 6
				Pro	RF/V1-V4	6 V5-V7 (480i) 6
	45	CLV	C NR level	Vivid	RF/V1-V4	9 V5-V7 (480i) 8
				Standard	RF/V1-V4	9 V5-V7 (480i) 8
				Movie	RF/V1-V4	8 V5-V7 (480i) 8
				Pro	RF/V1-V4	8 V5-V7 (480i) 8
	46	CNT	Relate C NR to YSTDN	1		
	47	CPL	Relate C NR to YSTDP	1		
	48	CMG	C Moving detection gain	Vivid	RF/V1-V4	3 V5-V7 (480i) 3
				Standard	RF/V1-V4	3 V5-V7 (480i) 3
				Movie	RF/V1-V4	3 V5-V7 (480i) 3
				Pro	RF/V1-V4	3 V5-V7 (480i) 3
	49	CCR	C Moving detection coring level	Vivid	RF/V1-V4	3 V5-V7 (480i) 0
				Standard	RF/V1-V4	3 V5-V7 (480i) 0
				Movie	RF/V1-V4	3 V5-V7 (480i) 0
				Pro	RF/V1-V4	3 V5-V7 (480i) 0
	50	CLM	C NR Feed back limit level	Vivid	RF/V1-V4	6 V5-V7 (480i) 6
				Standard	RF/V1-V4	6 V5-V7 (480i) 6
				Movie	RF/V1-V4	6 V5-V7 (480i) 6
				Pro	RF/V1-V4	6 V5-V7 (480i) 6
	51	NVSL		20		
	52	NVSH	NR Vertical start line	0		
	53	NHS	NR Horizontal start position	16		
	54	NVEL		248		
	55	NVEH	NR Vertical end line	0		
	56	NHE	NR Horizontal end position	120		
	57	YNG	Y Coring gain	Vivid	RF/V1-V4	3 V5-V7 (480i) 3
				Standard	RF/V1-V4	3 V5-V7 (480i) 3
				Movie	RF/V1-V4	3 V5-V7 (480i) 3
				Pro	RF/V1-V4	3 V5-V7 (480i) 3
	58	COR	Coring/through (Coring=0)	Vivid	RF/V1-V4	0 V5-V7 (480i) 0
				Standard	RF/V1-V4	0 V5-V7 (480i) 0
				Movie	RF/V1-V4	0 V5-V7 (480i) 0
				Pro	RF/V1-V4	0 V5-V7 (480i) 0
	59	LPF	LPF on/off (on=0)	Vivid	RF/V1-V4	0 V5-V7 (480i) 0
				Standard	RF/V1-V4	0 V5-V7 (480i) 0
	1			Movie	RF/V1-V4	0 V5-V7 (480i) 0
	1			Pro	RF/V1-V4	0 V5-V7 (480i) 0
	60	YLT	Y Coring limit level	Vivid	RF/V1-V4	6 V5-V7 (480i) 6
				Standard	RF/V1-V4	6 V5-V7 (480i) 6
	1			Movie	RF/V1-V4	6 V5-V7 (480i) 6
				Pro	RF/V1-V4	6 V5-V7 (480i) 6

CATEGORY	#	ITEM	DESCRIPTION				DATA				
3DNR	61	YNC	Y Coring offset level	Vivid	RF/V1-V4 9	9 V5-V7 (480i) 8					
(TC90A90F)			_	Standard	RF/V1-V4 9	9 V5-V7 (480i) 8	* Item 61 YN	C data should be th	e same as Item 3	4 YNR data.	
				Movie	RF/V1-V4 8	8 V5-V7 (480i) 8					
3D Noise				Pro	RF/V1-V4 8	8 V5-V7 (480i) 8					
Reduction	62	YCO	Y Coring off (on=1)	Vivid	RF/V1-V4 (V5-V7 (480i) 0	Ţ				
				Standard	RF/V1-V4 (V5-V7 (480i) 0	I				
				Movie	RF/V1-V4 (V5-V7 (480i) 0					
				Pro	RF/V1-V4 (V5-V7 (480i) 0	1				
	63	ADTH	0: DNR, 1: AD	0							
DRCV	0		DRC ID [0: DRC-VOL, 1: DRC-MF]	0							
	1	ISEL	Input select [0:A/D 1:3DNR]	1							
(CXD2097)	2	ORES	Reality (Resolution Effect) Offset	Vivid	RF	128 V1-V4	128 V5, V6	128 V7	128		
				Standard	RF	128 V1-V4	128 V5, V6	128 V7	128		
DRC-VOL				Movie	RF	128 V1-V4	128 V5, V6	128 V7	128		
				Pro	RF	128 V1-V4	128 V5, V6	128 V7	128		
	3	ONCT	Clarity (Noise Effect) Offset	Vivid	RF	128 V1-V4	128 V5, V6	128 V7	128		
				Standard	RF	128 V1-V4	128 V5, V6	128 V7	128		
				Movie	RF	128 V1-V4	128 V5, V6	128 V7	128		
				Pro	RF	128 V1-V4	128 V5, V6	128 V7	128		
		AINI		CUSTOM1	0 CUSTOM2	49 CUSTOM3	79				
	5		, , , , , , , , , , , , , , , , , , , ,	CUSTOM1	24 CUSTOM2	54 CUSTOM3	89				
	6		Film Mode Automatic 525P [1: ON, 0: OFF]	0							
	7			Other	1 RF	1 [0: DVD, 1:	CXD2095, 2: air strong	electric fields, 3: air medi	ium electric fields]		
	8		Y Horizontal Filter [1: OFF, 0: ON]	1							
	9		C-Y Delay	2	<u> </u>						
			Peak Limiter [1: Slew, 0: Limiter ON]	0							
	11		Limit Level	Vivid	2 Standard	2 Movie	2 Pro	2			
	12		Peak Limiter Ref. for Progressive	1	[1: Automatic, 0:	Fixed]					
	13		Input vertical signal delay	1	<u> </u>						
	14		Vertical Signal Sample Timing Switch	3	[Normally High]						
	15	WPLL	TBC Horizontal Phase Switching	2	[Normally High]						
	16	CRCT	Text Countermeasures Circuit [1: ON, 0: OFF]	0							
	17	NRA		SNNR(1)	0 SNNR(2)	0 SNNR(3)	0 SNNR(4)	0 SNNR(5)	0 SNNR(6)	0 SNNR(7)	
	18	NRB		SNNR(1)	128 SNNR(2)	128 SNNR(3)	128 SNNR(4)	128 SNNR(5)	128 SNNR(6)	128 SNNR(7)	12

CATEGORY	#	ITEM	DESCRIPTION	MIN	MAX	Full / Normal	Zoom	WideZoom	1080i		
PJE	0	FDIS	Display fine adjustment data	0	1			1			
	1	AREA	Model Select [0: GA, 1: US, 2: Europe]	0	2			1			
	2	COPY	Service copy adjustment	0	1		0				
	3	ALCP	Service all copy adjustment	0	1			0			
	4	OSDH	Osd horiz position of PJED service menu	1	255			11			
	5	OSDV	Osd vert pos of PJED service menu	1	255	57	106	78	15		
	6	FVSL	Start position of fine adjustment	0	15	0	14	15	0		
	7	FVSP	Start line of fine adjustment	0	255	3	21	25	53		
	8	V1DL	Value of V1 delay	0	255	1	140	61	1		
	9	V1CU	Value of V1 count up	0	4095	454	598	506	387		
	10	V10H	Value of V1 offset upper data	0	255	5	5	5	79		
	11	COHP	Horizontal phase for rough adjustment	0	4095			0			
	12	FIHP	Horizontal phase for fine adjustment	0	4095		1	111			
	13	TPHP	Horizontal phase for test pattern	0	4095			72			
	14	TPVP	Vertical phase for test pattern	0	255	55	111	79	15		
	15	DFHP	H phase for dyn focus (57")	0	4095			190			
			H phase for dyn focus (65")					190			
			H phase for dyn focus (65" 4% bigger)					200			
	16	DFHG	H parabola for dyn focus (57")	-128	127	-85	-85	-85	-85		
			H parabola for dyn focus (65")			-100	-100	-100	-100		
			H parabola for dyn focus (65" 4% bigger)			-95	-95	-95	-95		
	17	DFVG	V parabola for dyn focus (57")	-128	127	-65	-65	-65	-65		
			V parabola for dyn focus (65")			-70	-70	-70	-70		
			V parabola for dyn focus (65" 4% bigger)			-95	-95	-95	-95		
	18	DFDC	Center for dyn focus (57")	-128	127	127	127	127	127		
			Center for dyn focus (65")			127	127	127	127		
			Center for dyn focus (65" 4% bigger)			127	127	127	127		
	19	DFV1	V1 saw for dyn focus (57")	-128	127	-50	-50	-50	-50		
			V1 saw for dyn focus (65")			-50	-50	-50	-50		
			V1 saw for dyn focus (65" 4% bigger)			-50	-50	-50	-50		
	20	SDHP	Compensation of horiz phase for shading	0	4095			500			
	21	SDH1	Horizontal saw wave for dynamic focus	-128	127	127	127	127	127		
	22	BDVU	Vertical position for border line 1	0	2047	27	21	12	53		
	23	BDVL	Vertical position for border line 2	0	2047	901	683	820	1035		
	24	BDHL	Horizontal position for boder line 1	0	2047	152	152	145	152		
	25	BDHR	Horizontal position for boder line 2	0	2047	1254	1254	1261	1254		
	26	HBLD	Horizontal phase for output of H.Blank out	0	4095	•		32			
	27	HBLW	Width for output of H.Blank out	0	4095			143			
	28	PWM2	PWM2 Regi IC output width (57")	0	4095			730			
	1		PWM2 Regi IC output width (65")					730			
	1		PWM2 Regi IC output width (65" 4% bigger)			-	730			

CATEGORY	#	ITEM	DESCRIPTION	MIN	MAX	DATA
PJE	29	R0GH	Green Horizontal Sensor 0 Ratio Offset	-128	127	-
	30	R0RH	Red Horizontal Sensor 0 Ratio Offset	-128	127	-
	31	R0BH	Blue Horizontal Sensor 0 Ratio Offset	-128	127	-
	32	R1GH	Green Horizontal Sensor 1 Ratio Offset	-128	127	-
	33	R1RH	Red Horizontal Sensor 1 Ratio Offset	-128	127	-
	34	R1BH	Blue Horizontal Sensor 1 Ratio Offset	-128	127	-
	35	R1GV	Green Vertical Sensor 1 Ratio Offset	-128	127	-
	36	R1RV	Red Vertical Sensor 1 Ratio Offset	-128	127	-
	37	R1BV	Blue Vertical Sensor 1 Ratio Offset	-128	127	-
	38	R2GH	Green Horizontal Sensor 2 Ratio Offset	-128	127	-
	39	R2RH	Red Horizontal Sensor 2 Ratio Offset	-128	127	-
	40	R2BH	Blue Horizontal Sensor 2 Ratio Offset	-128	127	-
	41	R2GV	Green Vertical Sensor 2 Ratio Offset	-128	127	-
	42	R2RV	Red Vertical Sensor 2 Ratio Offset	-128	127	-
	43	R2BV	Blue Vertical Sensor 2 Ratio Offset	-128	127	-
	44	R3GH	Green Horizontal Sensor 3 Ratio Offset	-128	127	-
	45	R3RH	Red Horizontal Sensor 3 Ratio Offset	-128	127	-
	46	R3BH	Blue Horizontal Sensor 3 Ratio Offset	-128	127	-
	47	PTRH	Red Horiz Top Pattern Position Offset	-128	127	-
	48	PTBH	Blue Horiz Top Pattern Position Offset	-128	127	-
	49	PLRH	Red Horiz Left Pattern Position Offset	-128	127	-
	50	PLBH	Blue Horiz Left Pattern Position Offset	-128	127	-
	51	PLRV	Red Vertical Left Pattern Position Offset	-128	127	-
	52	PLBV	Blue Vertical Left Pattern Position Offset	-128	127	-
	53	PRRH	Red Horiz Right Pattern Position Offset	-128	127	-
	54	PRBH	Blue Horiz Right Pattern Pos Offset	-128	127	-
	55	PRGV	Green Vertical Right Pattern Pos Offset	-128	127	-
	56	PRRV	Red Vertical Right Pattern Pos Offset	-128	127	-
	57	PRBV	Blue Vertical Right Pattern Pos Offset	-128	127	-
	58	PBGH	Green Horiz Bottom Pattern Pos Offset	-128	127	-
	59	PBRH	Red Horiz Bottom Pattern Pos Offset	-128	127	-
	60	PBBH	Blue Horiz Bottom Pattern Pos Offset	-128	127	-

CATEGORY	#	ITEM	DESCRIPTION	MIN	MAX													
PJE	61	ERR	Auto Regi. Error code	0	-	0												
	62	ADTM	A/D data input timing of Auto Regi.	0	127	81												
	63	ADT2	A/D data input timing of Auto Regi. #2	0	255	115												
	64	SZLM	Size Limit	-128	127	0												
	65	RTLM	Ratio Limit	0	127	90					_		_					
	66	VUP	Auto Regi. Pattern Upper V position	0	2047	57"		1 65"		41				♣ Ac	djustable - I	M Board Cl	3A	
	67	VMID	Auto Regi. Pattern Middle V position	0	2047	57"		5 65"		505					djustable - I			
	68	VLOW	Auto Regi. Pattern Lower V position	0	2047	57"	97	1 65"		971	1			♠ Adjus	stable - On	Line (STD	LIST)	
	69	HLE	Auto Regi. Pattern left H position	0	4095	57"	5	5 65"		55								
	70	HMID	Auto Regi. Pattern middle H position	0	4095	57"	63	6 65"		636	1							
	71	HRIV	Auto Regi. Pattern right H position	0	4095	57"	121	7 65"		1217	1							
	72	TEST				0		-	•									
	73	SFTF	Fast motion of burn prevention switch	0	1	0												
	74	SFTE	CRT burn prevention enable	0	5	4		[0: Off,	1: 120	0sec,	2: 60sec, 3:	30sec,	4: 15sec	5: 8sec				
	75	ACTL	Acount timer counter lower byte	0	-	0								•				
	76	ACTH	Acount timer counter upper byte	0	-	0												
	77	ATTN	Auto Regi adjustment item select	0	3	57"		0 65"		0	Ì							
	78	VB1S	VBLKOUT1 Horizontal Phase	0	1023	Full / Norn	nal	0 Zoom		0	W Zoom	0	1080i	0				
	79	VB1W	VBLKOUT1 Output Width	0	1023	Full / Norn		6 Zoom			W Zoom		1080i	16				
	80	VB2S	VBLKOUT2 Horizontal Phase	0	1023	Full / Norn		0 Zoom			W Zoom		1080i	0	* P.JF	INIT (7+E	ENTER)	
	81	VB2W	VBLKOUT2 Output Width	0	1023	Full / Norn		4 Zoom			W Zoom		1080i	24		es "0" onl	,	
	82	VB3S	VBLKOUT3 Horizontal Phase	0	1023	Full / Norn		0 Zoom			W Zoom		1080i	550		ection pre		
	83	VB3W	VBLKOUT3 Output Width	0	1023	Full / Norn		2 Zoom			W Zoom		1080i	12		fine regi		
	84	VB4S	VBLKOUT4 Horizontal Phase	<u> </u>	1020	Full / Norn		0 Zoom			W Zoom		1080i	7		e deflecti		
	85	VB4W	VBLKOUT4 Output Width		+	Full / Norn		5 Zoom			W Zoom		1080i	5		are in.	0	
						Gree	en	Full /	Norma Blue	al 🛧	Red		Zoom 🍖 Green Blue			Re	ed	
		CENT	Center Registration Adjustment	-512	511	35	2		35	20	35	20	35	20	35	20	35	20
		SKEW	Skew Registration Adjustment	-512	511	0			0	0	0	0	0	0	0	0		0
		SIZE	Size Registration Adjustment	-512	511	-100	-7		_	-75		-75	-100	-75	-100	-75	_	-75
		LIN	Linearity Registration Adjustment	-512	511	0		0 -42		0	425	0	0	0	-425	0		0
	_	KEY	Keystone Registration Adjustment	-512	511	N/A		0 N/		-120	N/A	120	N/A	0	N/A	-120	N/A	120
		PIN	Pincushion Registration Adjustment	-512	511	0	40		0	350	0	350	0	400	0	350	0	350
		MLIN	Middle Linearity Registration Adjustment	-512	511	0	N/A		_	N/A	-150	N/A	0	N/A	150	N/A	-150	N/A
		MSIZ	Middle Size Registration Adjustment	-512	511	-200	N/			N/A	-100	N/A	-200	N/A	-100	N/A	-100	N/A
	_	WOIZ	Middle Gize Registration Rajustment	012	011	200	1 4/2		,0	14/7 (100	14// (200	14/7 (100	14/7	100	1 4/7 (
								Wide	Zoom	n 🛧					1080i /	Twin 🛦		
						Gree			Blue		Red		Gre	een	BI	ue	Re	ed
		CENT	Center Registration Adjustment	-512	511	35	2	0 3	35	20	35	20	35	20	35	20	35	20
		SKEW	Skew Registration Adjustment	-512	511	0		0	0	0	0	0	0	0	0	0	0	0
		SIZE	Size Registration Adjustment	-512	511	-100	-7	5 -10	00	-75	-100	-75	-100	-75	-100	-75	-100	-75
		LIN	Linearity Registration Adjustment	-512	511	0		0 -42	25	0	425	0	0	0	-425	0	425	0
		KEY	Keystone Registration Adjustment	-512	511	N/A		0 N/	Ά	-120	N/A	120	N/A	0	N/A	-120	N/A	120
		PIN	Pincushion Registration Adjustment	-512	511	0	40		0	350	0	350	0	400	0	350	0	350
		MLIN	Middle Linearity Registration Adjustment	-512	511	0	N/A		50	N/A	-150	N/A	0	N/A	150	N/A	-150	N/A
		MSIZ	Middle Size Registration Adjustment	-512	511	-200	N/			N/A	-100	N/A	-200	N/A	-100	N/A	-100	N/A
						* F	INE A	djustmen	t shou	ıld be	limited to le	ss than	+-107 ste	eps for ea	ich point.			

CATEGORY	#	ITEM	DESCRIPTION			DATA								
OP	0	DLY1	Delay time1 of power on sequence			12								
	1	DLY2	Delay time2 of power on sequence			18		♣ A	djustable - M Board	CBA				
	2	DLY3	Delay time3 of power on sequence			7	◆ Adjustable - B Board CBA							
	3	OSDH	OSD H position [0:LEFT, 254:RIGHT]			13 🛦		🛕 dju	stable - On Line (S	TD LIS				
	4	HDPT	1080i through sw [0:through, 1:MID]			1		-						
	5	MSBG	Memory Stic Background Color			80								
	6	AACK	Audio DSP ACK Checking Switch			2 [0	No checking at mode c	hange / refresh, 1: Ch	necking at refresh only,	2: Checking at mode chan	ge / refresh, 3: N/A]			
	7	RAMW	RAM window display [0:OFF, 1:DISPLAY]			0								
									INDEX					
CATEGORY	#	ITEM	DESCRIPTION	DATA	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0		
ID					Korean	French	Portuguese	Spanish	English	PAL-N	PAL-M	NTSC		
	0	ID0	Language/System	89	0	1	0	1	1	0	0	1		
					DVI input	V3 - S Video	V2 - S Video	V1 - S Video	Video4	Video3	Video2	Video1		
	1	ID1	Video Input	255	1	1	1	1	1	1	1	1		
					Auto Vol	Auto Mute	Surround1	Surround0	Audio out	Bass/Treb/Bal	Spkr SW	MTS		
	2	ID2	Audio	239	1	1	1	0	1	1	1	1		
					AC stay off	Front Panel Cnt	r Vchip-US	Vchip-Canada	2:3Pull	Key power	Stereo/main	DRC Vol		
	3	ID3	Etc	107	0	1	1	0	1	0	1	1		
					Tilt Corr	3D Comb	No-sig. auto off	CH block	Comb	Spot Kil	XDS	CC		
	4	ID4	Etc2	75	0	1	0	0	1	0	1	1		
					Wideband VM	1 NR	Color Temp	VM	TV out	MS "ACCESS" off	MS Button toggle	Mem Stic		
	5	ID5	Etc3	243	1	1	1	1	0	0	1	1		
						Scrolling Index	MultPic 1	MultPic 0	Attenna SW 1	Attenna SW 0	2Tu PIP	1Tu PIP		
	6	ID6	Sub Picture	126	0	1	1	1	1	1	1	0		
						Latin	PIP for Twin	AutoSAP	XBR / HS	Center SP	PJ / Direct View	Widescrn		
	7	ID7	Etc4	27	0	0	0	1	1	0	1	1		

INITIALIZATION SEQUENCES

MID NVM only (MAIN_A8):	7+JUMP+Enter
Main NVM only (MAIN_A0)	7+9+Enter
All NVM including PJED: (PJED_A0 + MAIN_A0 + MAIN_A8	7+Audio Effect+Enter
PJED REGISTRATION DATA only	7+Enter (in PJE service)

2-11-1. MODEL NVM DIFFERENCE

SERVICE ITEM				
ITEM	57WV600	65WV600	57WV700	65WV700
2170P-4 8 - UBRT (VIVID)	19	19	28	28
2170P-4 10 - USHP (VIVID)	25	25	29	29
2170P-4 7 - UPIC (STANDARD)	47	47	50	50
2170P-4 8 - UBRT (STANDARD)	31	31	36	36
2170P-4 7 - UPIC (MOVIE)	18	18	20	20
2170P-4 8 - UBRT (MOVIE)	31	31	34	34
2170P-4 22 - BLK (1080iV5-6, VIVID)	3	3	2	2
2170P-4 22 - BLK (720PV5-6, VIVID)	3	3	2	2
2170P-4 22 - BLK (1080iV7, VIVID)	3	3	2	2
2170P-4 22 - BLK (720PV7, VIVID)	3	3	2	2
2170P-4 22 - BLK (MS PLAY, VIVID)	3	3	2	2
2170P-4 19 - GAMR (GAMM=1)	4	4	6	6
2170P-4 20 - GAMG (GAMM=1)	4	4	6	6
2170P-4 21 - GAMB (GAMM=1)	4	4	6	6
2170P-4 19 - GAMR (GAMM=2)	3	3	4	4
2170P-4 20 - GAMG (GAMM=2)	3	3	4	4
2170P-4 21 - GAMB (GAMM=2)	3	3	4	4
2170P-4 19 - GAMR (GAMM=3)	7	7	9	9
2170P-4 20 - GAMG (GAMM=3)	7	7	9	9
2170P-4 21 - GAMB (GAMM=3)	7	7	9	9
2170P-4 23 - DCTR (BLK=1)	10	10	5	5
2170P-4 24 - APED (BLK=1)	2	2	1	1
2170P-4 23 - DCTR (BLK=3)	15	15	8	8
SNNR 5 - CCOR (SNNR=1)	2	2	0	0
SNNR 8 - 3SHP (SNNR=1)	2	2	0	0
SNNR 5 - CCOR (SNNR=2)	2	2	1	1
SNNR 8 - 3SHP (SNNR=2)	3	3	0	0
SNNR 5 - CCOR (SNNR=3)	2	2	1	1
SNNR 8 - 3SHP (SNNR=3)	5	5	0	0
SNNR 8 - 3SHP (SNNR=4)	6	6	0	0
SNNR 5 - CCOR (SNNR=5)	3	3	2	2
SNNR 8 - 3SHP (SNNR=5)	7	7	0	0
SNNR 8 - 3SHP (SNNR=6)	8	8	0	0
SNNR 8 - 3SHP (SNNR=7)	10	10	1	1
2170P-3 15 - UHOF (1080iV7, VIVID)	1	1	2	2

SERVICE ITEM				
ITEM	57WV600	65WV600	57WV700	65WV700
2170P-3 4 - VMF0 (RF, VIVID)	0	0	2	2
2170P-3 5 - VMDL (RF, VIVID)	15	15	8	8
2170P-3 6 - SHOF (RF, VIVID)	0	0	2	2
2170P-3 14 - UCOF (RF, VIVID)	3	3	0	0
2170P-3 4 - VMF0 (V1-4, VIVID)	0	0	2	2
2170P-3 5 - VMDL (V1-4, VIVID)	15	15	8	8
2170P-3 13 - UBOF (V1-4, VIVID)	2	2	3	3
2170P-3 14 - UCOF (V1-4, VIVID)	3	3	1	1
2170P-3 15 - UHOF (V1-4, VIVID)	0	0	3	3
2170P-3 4 - VMF0 (480iV5-6, VIVID)	1	1	2	2
2170P-3 5 - VMDL (480iV5-6, VIVID)	11	11	8	8
2170P-3 6 - SHOF (480iV5-6, VIVID)	2	2	1	1
2170P-3 13 - UBOF (480iV5-6, VIVID)	4	4	3	3
2170P-3 14 - UCOF (480iV5-6, VIVID)	3	3	1	1
2170P-3 15 - UHOF (480iV5-6, VIVID)	1	1	3	3
2170P-3 4 - VMF0 (480PV5-6, VIVID)	1	1	2	2
2170P-3 5 - VMDL (480PV5-6, VIVID)	11	11	8	8
2170P-3 15 - UHOF (480PV5-6, VIVID)	0	0	2	2
2170P-3 6 - SHOF (1080iV5-6, VIVID)	3	2	2	2
2170P-3 14 - UCOF (1080iV5-6, VIVID)	2	1	3	3
2170P-3 15 - UHOF (1080iV5-6, VIVID)	1	1	2	2
2170P-3 6 - SHOF (720PV5-6, VIVID)	3	2	2	2
2170P-3 14 - UCOF (720PV5-6, VIVID)	2	1	3	3
2170P-3 15 - UHOF (720PV5-6, VIVID)	1	1	2	2
2170P-3 4 - VMF0 (480iV7, VIVID)	1	1	2	2
2170P-3 5 - VMDL (480iV7, VIVID)	11	11	8	8
2170P-3 6 - SHOF (480iV7, VIVID)	2	2	1	1
2170P-3 13 - UBOF (480iV7, VIVID)	4	4	3	3
2170P-3 14 - UCOF (480iV7, VIVID)	3	3	1	1
2170P-3 15 - UHOF (480iV7, VIVID)	1	1	3	3
2170P-3 4 - VMF0 (480PV7, VIVID)	1	1	2	2
2170P-3 5 - VMDL (480PV7, VIVID)	11	11	8	8
2170P-3 15 - UHOF (480PV7, VIVID)	0	0	2	2
2170P-3 6 - SHOF (1080iV7, VIVID)	3	2	2	2
2170P-3 14 - UCOF (1080iV7, VIVID)	2	1	3	3

MODEL NVM DIFFERENCE

SERVICE ITEM				
ITEM	57WV600	65WV600	57WV700	65WV700
2170P-3 6 - SHOF (720PV7, VIVID)	3	2	2	2
2170P-3 14 - UCOF (720PV7, VIVID)	2	1	3	3
2170P-3 15 - UHOF (720PV7, VIVID)	1	1	2	2
2170P-3 6 - SHOF (MS PLAY, VIVID)	3	2	2	2
2170P-3 14 - UCOF (MS PLAY, VIVID)	2	1	3	3
2170P-3 15 - UHOF (MS PLAY, VIVID)	1	1	2	2
2170P-3 4 - VMF0 (TWIN, VIVID)	0	0	2	2
2170P-3 5 - VMDL (TWIN, VIVID)	15	15	8	8
2170P-3 13 - UBOF (TWIN, VIVID)	4	4	0	0
2170P-3 14 - UCOF (TWIN, VIVID)	2	1	0	0
2170P-3 4 - VMF0 (RF, STANDARD)	0	0	2	2
2170P-3 5 - VMDL (RF, STANDARD)	15	15	8	8
2170P-3 6 - SHOF (RF, STANDARD)	0	0	2	2
2170P-3 14 - UCOF (RF, STANDARD)	1	1	0	0
2170P-3 15 - UHOF (RF, STANDARD)	1	1	2	2
2170P-3 4 - VMF0 (V1-4, STANDARD)	0	0	2	2
2170P-3 5 - VMDL (V1-4, STANDARD)	15	15	8	8
2170P-3 6 - SHOF (V1-4, STANDARD)	1	1	2	2
2170P-3 13 - UBOF (V1-4, STANDARD)	1	1	0	0
2170P-3 14 - UCOF (V1-4, STANDARD)	2	2	0	0
2170P-3 15 - UHOF (V1-4, STANDARD)	0	0	3	3
2170P-3 4 - VMF0 (480iV5-6, STANDARD)	1	1	2	2
2170P-3 5 - VMDL (480iV5-6, STANDARD)	11	11	8	8
2170P-3 6 - SHOF (480iV5-6, STANDARD)	1	1	2	2
2170P-3 15 - UHOF (480iV5-6, STANDARD)	1	1	3	3
2170P-3 4 - VMF0 (480PV5-6, STANDARD)	1	1	2	2
2170P-3 5 - VMDL (480PV5-6, STANDARD)	11	11	8	8
2170P-3 6 - SHOF (480PV5-6, STANDARD)	1	1	0	0
2170P-3 14 - UCOF (480PV5-6, STANDARD)	1	1	0	0
2170P-3 15 - UHOF (480PV5-6, STANDARD)	0	0	2	2
2170P-3 14 - UCOF (1080iV5-6, STANDARD)	0	0	1	1
2170P-3 15 - UHOF (1080iV5-6, STANDARD)	1	1	2	2
2170P-3 14 - UCOF (720PV5-6, STANDARD)	0	0	1	1
2170P-3 15 - UHOF (720PV5-6, STANDARD)	1	1	2	2
MID5 1 - MHLY (POP 5)	1	1	2	2

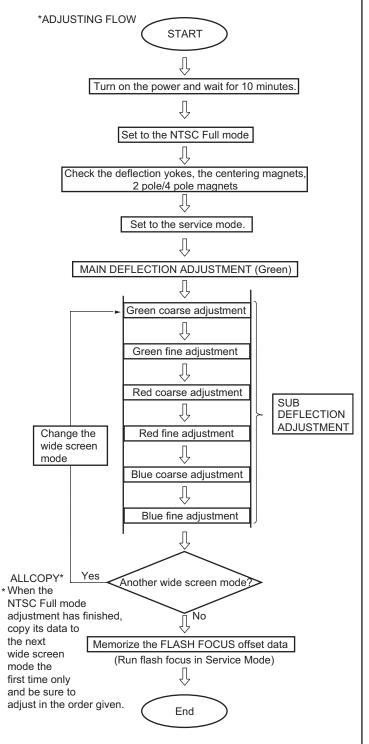
SERVICE ITEM	SERVICE ITEM				
ITEM	57WV600	65WV600	57WV700	65WV700	
2170P-3 4 - VMF0 (480iV7, STANDARD)	1	1	2	2	
2170P-3 5 - VMDL (480iV7, STANDARD)	11	11	8	8	
2170P-3 6 - SHOF (480iV7, STANDARD)	1	1	2	2	
2170P-3 15 - UHOF (480iV7, STANDARD)	1	1	3	3	
2170P-3 4 - VMF0 (480PV7, STANDARD)	1	1	2	2	
2170P-3 5 - VMDL (480PV7, STANDARD)	11	11	8	8	
2170P-3 6 - SHOF (480PV7, STANDARD)	1	1	0	0	
2170P-3 15 - UHOF (480PV7, STANDARD)	0	0	2	2	
2170P-3 14 - UCOF (1080iV7, STANDARD)	0	0	1	1	
2170P-3 15 - UHOF (1080iV7, STANDARD)	1	1	2	2	
2170P-3 14 - UCOF (720PV7, STANDARD)	0	0	1	1	
2170P-3 15 - UHOF (720PV7, STANDARD)	1	1	2	2	
2170P-3 14 - UCOF (MS PLAY, STANDARD)	0	0	1	1	
2170P-3 15 - UHOF (MS PLAY, STANDARD)	1	1	2	2	
2170P-3 4 - VMF0 (TWIN, STANDARD)	0	0	2	2	
2170P-3 5 - VMDL (TWIN, STANDARD)	15	15	8	8	
2170P-3 13 - UBOF (RF, STANDARD)	1	1	5	5	
2103-1 6 - SHAP (OTHERS)	11	11	6	6	
2103-1 6 - SHAP (V1-4)	11	11	8	8	
2103-1 24 - ATPD (TWIN BLK=1)	1	1	3	3	
2103-1 25 - DCTR (TWIN BLK=1)	2	2	3	3	
3DCOMB 21 - YHCO	3	3	2	2	
3DCOMB 18 - YPFG (V1-4, MOVIE)	6	6	5	5	
AUDIO 10 - STRE	4	5	4	5	
AUDIO 2 - BACV	1	2	1	2	
AUDIO 16 - BBEL (SURROUND OFF, S.S. OF	1	2	1	2	
AUDIO 16 - BBEL (SURROUND OFF, S.S. AU	1	2	1	2	
AUDIO 16 - BBEL (TRUSURROUND)	1	3	1	3	
AUDIO 16 - BBEL (SIMULATED)	1	2	1	2	
2170P-3 14 - UCOF (MS MENU, VIVID)	2	1	3	3	
2170P-3 15 - UHOF (MS MENU, VIVID)	1	1	2	2	
2170P-3 14 - UCOF (MS MENU, STANDARD)	0	0	1	1	
2170P-3 15 - UHOF (MS MENU, STANDARD)	1	1	2	2	
2170P-4 22 - BLK (MS MENU, VIVID)	3	3	2	2	
MID5 1 - MHLY (POP 0)	1	1	2	2	

MODEL NVM DIFFERENCE

SERVICE ITEM				
ITEM	57WV600	65WV600	57WV700	65WV700
MID5 6 - MHYL (POP 5)	1	1	2	2
MID5 7 - MHYE (POP 5)	0	0	7	7
MID5 15 - MVYE (POP 5)	5	5	3	3
MID5 1 - MHLY (POP 7)	1	1	2	2
MID5 6 - MHYL (POP 7)	1	1	2	2
MID5 7 - MHYE (POP 7)	0	0	7	7
MID5 13 - MVYR (POP 7)	3	3	2	2
MID5 15 - MVYE (POP 7)	5	5	3	3
MID5 5 - MHYR (POP 11)	1	1	2	2
MID5 6 - MHYL (POP 11)	1	1	2	2
MID5 7 - MHYE (POP 11)	7	7	4	4
MID5 13 - MVYR (POP 11)	1	1	2	2
MID5 15 - MVYE (POP 11)	5	5	3	3
MID5 5 - MHYR (POP 12)	1	1	2	2
MID5 6 - MHYL (POP 12)	1	1	2	2
MID5 13 - MVYR (POP 12)	1	1	3	3
MID5 15 - MVYE (POP 12)	5	5	3	3
MID5 7 - MHYE (POP 16)	7	7	2	2
MID5 15 - MVYE (POP 16)	5	5	3	3
MID5 5 - MHYR (POP 17)	1	1	3	3
MID5 15 - MVYE (POP 17)	7	7	5	5
MID5 5 - MHYR (POP 21)	1	1	2	2
MID5 6 - MHYL (POP 21)	1	1	2	2
MID5 7 - MHYE (POP 21)	4	4	0	0
MID5 13 - MVYR (POP 21)	1	1	2	2
MID5 15 - MVYE (POP 21)	5	5	3	3
MID5 7 - MHYE (POP 22)	0	0	4	4
MID5 13 - MVYR (POP 22)	1	1	2	2
MID5 15 - MVYE (POP 22)	7	7	5	5

SERVICE ITEM				
ITEM	57WV600	65WV600	57WV700	65WV700
PJE 16 - DFHG	-85	-100	-85	-100
PJE 17 - DFVG	-65	-70	-65	-70

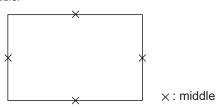
2-12.REGISTRATION ADJUSTMENT (PJE MODE ONLY)



2-12-1.SETUP FOR ADJUSTMENT

MARKING

 At the 4 sides of the screen, locate the middle. Use a tape measure to identify the middle.



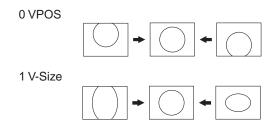
DATA SETTING

- 1. Set NTSC Full mode.
- 2. Enter the service mode, and select "PJE".

2-12-2.MAIN DEFLECTION ADJUSTMENT

NOTE: Before this adjustment, refer to section 2-11 for PJE item #78-85 input data.

- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 2. Enter the monoscope signal and set to NTSC Full mode.
- 3. Enter the service mode, and select "2170D-1".
- 4. Adjust "0 VPOS" and "1 VSIZ" so that the picture is displayed in the center of the screen.
- 5. Adjust "2VSZ0" for 1080i vertical size adjustment.



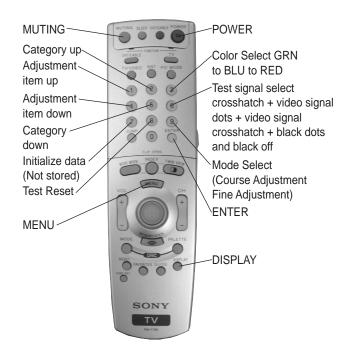
6. Select "2170D-2" and adjust "2 H-Size" so that the picture size is within the specification.

SPEC	Over	scan Spec. = 9%
Input Signal	H SIZE	V SIZE
Monoscope	15.6 ± 0.2 sq.	11.5 ± 0.2 sq.
2 H-Size		



7. Copy the data of the NTSC Full mode to the other wide screen mode and, if necessary, adjust in the other mode.

2-12-3.OPERATION METHOD FOR PROJECTOR ENGINE MODE



RM-Y188

1. FUNCTION OF KEYS ON COMMANDER

- 1 Changes adjustment item. (Item # moves up) Marker moves clockwise from center to outside. (In Fine Adjustment mode)
- Changes adjustment item. (Item # moves down)
 Marker moves counter clockwise from outside to center.
 (In Fine Adjustment mode)
- Changes adjustment category. (Category # moves up)
- Changes adjustment category. (Category # moves down)

Joystick Changes data value. (Up or down)

Marker moves clockwise from center (up, down, right, and then left) to outside. (In Fine Adjustment mode)

- 3 Changes adjustment color. GRN →BLU →RED
- Displays or changes internal test signals. crosshatch + external signal → crosshatch + borderline → crosshatch only → dot only → off
- 9 Switches adjustment mode. Coarse adjustment model → Fine adjustment mode

Press Switches marker moving method.

Joystick (In Fine Adjustment mode)

Pressing down on the joystick in Fine Adjustment mode switches between selecting and un-selecting a point.

When a point is selected, the cursor changes to that color to indicate the point is selected and can be adjusted. If a point is not selected the cursor is white.

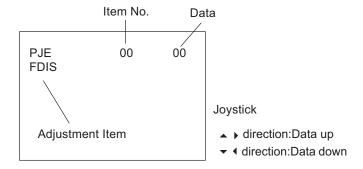
Joystick ▲ ▼ ◀ ▶ keys → 1 and 4 buttons

Commander Function

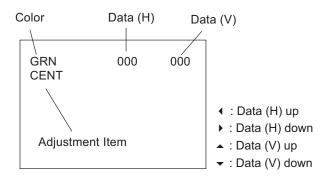
Buttons	Mode	Description
0 + ENTER	READ	Reads data to NVM.
MUTING+ENTER	WRITE	Writes data from NVM.
7 + ENTER	PJE INITIAL	Service data initialization. Not stored. (Be sure not to use usually)

2. OPERATION METHOD FOR COARSE ADJUSTMENT

- 1. Enter the service mode and select "PJE".
- 2. Press the "1" or "4" button on the remote commander to select the item, and then use the joystick to change the data.



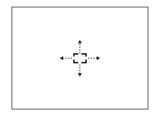
- Select "GRN CENT". When BLU or RED is displayed, press the "3" button on the remote commander to change the adjustment color in the order of GRN →BLU →RED.
- In the GRN, BLU, or RED mode, move the joystick ♠ or ▼ to change the data in vertical direction, or ♠ to change the data in a horizontal direction.



Before returning to the service mode, press the "MUTING" +
 "ENTER" buttons on the remote commander to write the data.
 (You must complete step 5 to write the data. If you omit step 5 the
 set data is returned to the data prior to the adjustment.)

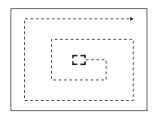
3. OPERATION METHOD FOR FINE ADJUSTMENT

- 1. Enter the service mode and select "PJE".
- 2. Select FDIS and set the data to "01" so that the data at each position can be displayed in fine adjustment mode.
- 3. Press the "9" button on the remote commander and fine adjustment mode will be active where a green marker appears in the center of the screen. (In the case of GRN mode)
- 4. Press down on the joystick, and the marker color will be alternately switched between green (GRN mode) and white.
- 5. Press the "1" or "4" button on the remote commander or use the joystick to move the marker to the position to be adjusted, where fine adjustment can be made.
- When the marker color is white: (in this case, fine adjustment is disabled)



Use the joystick to move the marker up, down, left, or right.

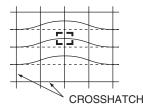
* When the marker color is green: (GRN mode)

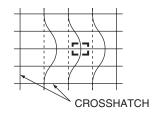


- 1 : Moves the marker clockwise from the center to the outside.
- 4 : Moves the marker counter clockwise from the outside to the center.
- * Fine adjustment can be made on the basis of a marker position using the joystick to move extstyle ext

Move joystick • direction

Move joystick ▶ direction





6. Press the "9" button on the remote commander to return to the coarse adjustment mode.

2-13.PJE ADJUSTMENT (SUB DEFLECTION ADJUSTMENT)

	Adjustment type			
Adjustment item	G	R	В	
	H/V*	H/V*	H/V*	
CENT	O/O	O/O	O/O	
SKEW	O/O	O/O	O/O	
SIZE	O/O	O/O	O/O	
LIN	O/O	O/O	O/O	
KEY	-/O	-/O	-/O	
PIN	O/O	O/O	O/O	
MLIN	O/-	O/-	O/-	
MSIZ	O/-	O/-	O/-	

^{*} H = Horizontal V = Vertical O = Yes -= No

Note: If the value is over the limit value, adjust these in the fine adjustment.

Coarse Data Limit Value:

CENT H	-135 TO + 205	
CENT V	-150 TO + 190	
SKEW	-75 TO + 75	
SIZE H	-75 MAX	
BLUE H LIN	-425 MIN	
RED H LIN	+425 MAX	
FINE DATA LIMIT ± 107 Except the extreme left & right outside columns which have no limit		

2-13-1.ADJUSTMENT FOR NTSC FULL MODE

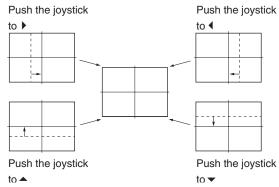
· The adjustment should be done in the numerical order given.

1) GREEN ADJUSTMENT

- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 2. Enter the monoscope signal to set.
- 3. Select the PJE mode.
- 4. Press the "6" button on the remote commander to display the internal test signal (crosshatch).
- Select "GRN CENT", and adjust so that the pictures coincide in the center of screen.

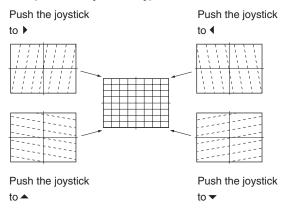
Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2170P-2 1 RGBS.

GRN CENT (Horizontally/Vertically)



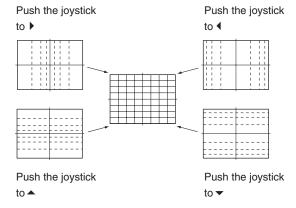
Select "GRN SKEW", and correct the tilt of horizontal lines and vertical lines.

GRN SKEW (Horizontally/Vertically)



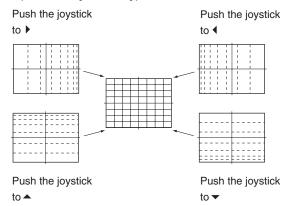
8. Select "GRN SIZE", and adjust so that each distance from center to left end and to right end is equal. Adjust so that each distance from center to top and to bottom is equal.

GRN SIZE (Horizontally/Vertically)



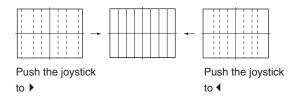
Select "GRN LIN", and adjust so that each space at the right end and at the left end of screen is equal. Adjust so that each space at the top and at the bottom of screen is equal.

GRN LIN (Horizontally/Vertically)



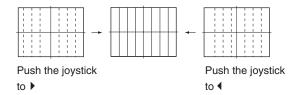
10. Select "GRN MSIZ", and correct the space intervals for the horizontal section so the screen is equal.

GRN MSIZ (Horizontally)



11. Select "GRN MLIN", and correct the sizes of the horizontal line so the center of the screen is symmetrical left and right.

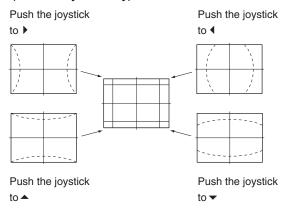
GRN MLIN (Horizontally)



Note: The SIZE and LIN, MSIZ and MLIN adjustments affect each other. If necessary, adjust these mutually.

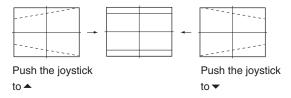
12. Select "GRN PIN", and adjust so that right and left vertical lines on the screen become straight. Adjust so that upper and lower horizontal lines on the screen become straight.

GRN PIN (Horizontally/Vertically)



13. Select "GRN KEY", and adjust so that upper and lower horizontal lines on the screen become parallel.

GRN KEY (Vertically)



Note: The VPIN and KEY adjustments affect each other. If necessary, adjust these mutually.

- 14. Press the "9" button on the remote commander to enter fine adjustment mode.
- 15. Make the fine adjustment so that horizontal lines and vertical lines become straight.
- 16. Press the "9" button on the remote commander to return to coarse adjustment mode.

2) RED ADJUSTMENT

- Cover the blue CRT lens with a lens caps to allow only the green and red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 2. Press the "3" button on the remote commander to select RED mode.
- 3. Adjust the following items so that red lines overlap with green lines.
 - RED CENT (horizontally/vertically)
 - RED SKEW (horizontally/vertically)
 - RED SIZE (horizontally/vertically)
 - RED LIN (horizontally/vertically)
 - RED MSIZ (horizontally)
 - RED MLIN (horizontally)
 - RED PIN (horizontally/vertically)
 - RED KEY (vertically)
- 4. Press the "9" button on the remote commander to enter fine adjustment
- Make the fine adjustment so that horizontal lines and vertical lines overlap with green lines.

Press the "9" button on the remote commander to return to coarse adjustment mode.

Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2170P-2 1 RGBS.

3) BLUE ADJUSTMENT

- 1. Remove the lens cap from the blue picture lens to display all colors.
- 2. Press the "3" button on the remote commander to select BLU mode.
- 3. Adjust the following items so that blue lines overlap with green lines.
 - BLU CENT (horizontally/vertically)
 - BLU SKEW (horizontally/vertically)
 - BLU SIZE (horizontally/vertically)
 - BLU LIN (horizontally/vertically)
 - BLU PIN (horizontally/vertically)
 - BLU KEY (vertically)
- Press the "9" button on the remote commander to enter fine adjustment mode.
- Make the fine adjustment so that horizontal lines and vertical lines overlap with green and red lines.
- Press the "9" button on the remote commander to return `to coarse adjustment mode.

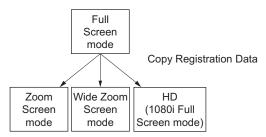
Note: When replacing CRTs, adjust the set-up adjustments (2-1 to 2-9) and the registration adjustment (2-12). When replacing multiple CRTs at the same time, replace and adjust them individually.

4) REGISTRATION DATA WRITING

 After completing each adjustment of green, blue, and red for the NTSC Full mode press the "MUTING"+ "ENTER" buttons on the remote commander to write the registration data to the NVM.

2-13-2.COPYING ALL REGISTRATION DATA TO OTHER MODES

- 1. Make sure that the adjustment for NTSC Full mode are complete and the data have already been written.
- 2. Select the PJE mode.
- 3. Select ALCP and set the data to "01", and press the "MUTING"+"ENTER" buttons on the remote commander.
- 4. The data from the NTSC Full mode is copied to all other modes.



5. Check in the other modes and adjust as demands.

Be sure to write data in each mode.

2-14.AUTO REGISTRATION OFFSETS

IMPORTANT

This adjustment must be performed after registration adjustment or after readjustment for any reason!

Once registration in all modes is satisfactory:

- 1. Darken the room environment near the set.
- 2. Enter service mode and individually write data ("MUTING" + "ENTER") for:

Full

Zoom

Wide Zoom

1080i

Important:

You must complete step 2 even if registration looks OK in these modes and there were not any adjustments made.

Note: If 1080i source is not available, 1080i data can be displayed by entering Twin Mode.

Select input of RF (with a signal) or Video1 - Video4 (with a signal), and enter Full Mode.

WARNING: DO NOT USE 1080i SIGNAL!

- 4. From service mode, select the PJE group.
- To automatically store the offset values, press the "FLASH FOCUS" button on the front panel of the set.

(The offset value is now stored)

If FLASH FOCUS successfully calibrates, it displays

"CALIBRATION OK."

If FLASH FOCUS does not successfully calibrate, an error message is displayed.(Refer to section 2-15)

- 6. Exit the service mode.
- If the calibration was successful, press the "FLASH FOCUS" button out of service mode.
- 8. Confirm registration is OK in all modes.

2-15.AUTO REGISTRATION ERROR CODES

If an error code is displayed after the set has been correctly adjusted, check the following items: position, tilt and sizing. If any of these adjustments are off, even slightly, the auto-registration pattern will not hit the four sensors properly. This occurs when the internal generator patterns are being flashed on the screen for the sensors to read. Therefore, auto registration (called auto convergence) cannot operate properly, causing an error code to be displayed. In order for this function to operate properly, position, tilt and size must be adjusted properly.

ERROR CODE LIST

ERROR		
CODE	DESCRIPTION	NOTE
00	No Error	
10	Sensor 0 low output	Check sensor 0, connection/wiring, circuit, and pattern position
	·	(are patterns hitting sensor?) adjust 66 VUP, 70 HMID if necessary.
11	Sensor 1 low output	Check sensor 1, connection/wiring, circuit, and pattern position
		(are patterns hitting sensor?) adjust 69 HLE, 67 VMID if necessary.
12	Sensor 2 low output	Check sensor 2, connection/wiring, circuit, and pattern position
13	Sensor 3 low output	(are patterns hitting sensor?) adjust 71 HRIV, 67 VMID if necessary. Check sensor 3, connection/wiring, circuit, and pattern position
13	Joenson 5 low output	(are patterns hitting sensor?) adjust 68 VLOW, 70 HMID if necessary.
20	Sensor 0 high output	Check sensor 0 and circuit.
21	Sensor 1 high output	Check sensor 1 and circuit.
22	Sensor 2 high output	Check sensor 2 and circuit.
23	Sensor 3 high output	Check sensor 3 and circuit.
30	V CENT or SKEW adjustment loop overflow	Check 67 VMID data and check registration condition.
31	H CENT or SKEW adjustment loop overflow	Check 70 HMID data and check registration condition.
32	H LIN or SIZE adjustment loop overflow	Check 69 HLE and 71 HRIV data and check registration condition.
40	V CENT regi data overflow	Check 67 VMID data and confirm V CENT data (all modes) is not near 511.
41	H CENT regi data overflow	Check 70 HMID data and confirm H CENT data (all modes) is not near 511.
42	V SKEW regi data overflow	Check 67 VMID data and confirm V SKEW data (all modes) is not near 511.
43	H SKEW regi data overflow	Check 70 HMID data and confirm H SKEW data (all modes) is not near 511.
44	H LIN regi data overflow	Check 69 HLE and 71 HRIV data and confirm H CENT data (all modes)
	ŭ	is not near 511.
45	H SIZE regi data overflow	Check 69 HLE and 71 HRIV data and confirm H CENT data (all modes)
		is not near 511.
50	V CENT regi data overdrow	Check 67 VMID data and confirm V CENT data (all modes) is not near -512.
51	H CENT regi data overdrow	Check 70 HMID data and confirm H CENT data (all modes) is not near -512.
52	V SKEW regi data overdrow	Check 67 VMID data and confirm V SKEW data (all modes) is not near -512.
53	H SKEW regi data overdrow	Check 70 HMID data and confirm H SKEW data (all modes) is not near -512.
54	H LIN regi data overdrow	Check 69 HLE and 71 HRIV data and confirm H CENT data (all modes) is not near -512.
55	H SIZE regi data overdrow	Check 69 HLE and 71 HRIV data and confirm V CENT data (all modes) is not near -512.
60	CENT/SKEW calibration loop overflow	Check 70 HMID and 67 VMID data and check registration condition.
61	SIZE/LIN calibration loop overflow	Check 69 HLE, 71 HRIV, 66 VUP, and 68 VLOW data and
	·	check registration condition.
70	V CENT/SKEW ratio limit	Check sensors 1 and 2, connection/wiring, circuit, increase 65 RTLM.
71	H CENT/SKEW ratio limit	Check sensors 0 and 3, connection/wiring, circuit, increase 65 RTLM.
73	H SIZE/Lin ratio limit	Check sensors 1 and 2, connection/wiring, circuit, increase 65 RTLM.
80	SIZE Limit Error	Check that horizontal SIZE data is not near 64 SZLM.

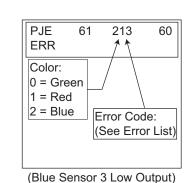
^{*} In the case of multiple errors, last error is displayed.

SENSOR POSITIONS

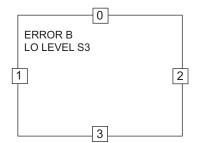
1

• ERROR CODE SCREEN DISPLAY

Error codes in normal (customer) mode are not displayed. You must enter PJE service mode to see the error code.



In service mode, the error will be displayed in text format.



0: UPPER SENSOR

0

FRONT OF SCREEN

1: LEFT SENSOR

2: RIGHT SENSOR

3: LOWER SENSOR

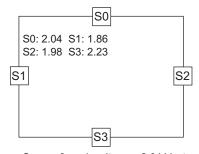
2-16.AUTO REGISTRATION DIAGNOSTICS

The TEST service item (PJE #72) can be used to determine if a sensor or sensor amplifier is working properly. It can also be used to check pattern positions.



2

DISPLAY/ LOOP	CS/ZL	COLOR	ACTION
(0)	0	0	Normal calibration (no diagnostics).
(0)	Χ	Х	Performs one adjustment cycle, then
			displays average peak voltages for the
			specified CS/ZL and Color.
(0)	3	3	Does nothing (can't display more than one
			CS/ZL or Color at a time.)
1	Х	Х	Adjusts specified CS/ZL and Color
			until a key is pressed. Useful for
			measuring signals with oscilloscope.



Sensor 0 peak voltage = 2.04 V, etc.

SECTION 3: SAFETY-RELATED ADJUSTMENTS

D BOARD

3-1. HV REGULATION CIRCUIT CHECK AND ADJUSTMENT

When replacing the following components marked with a \square on the schematic diagram always check the HV regulation, and if necessary re-adjust.

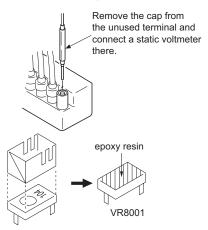
Part Replaced (☑)	Adjustment (█)
A BOARD: HV Block, T8005 (FBT), T8004 (LOT), R8129, D8038, R8128, C8129, R8223, R8102, R8230, R8055, R8153, C8083, R8139, C8079, D8051, D8013, R8140, D8043, R8163, C8090, D8015. R8142, R8131, Q8021, IC8006, D Board	HV REGULATOR VR8001
100000, D Board	

OPERATION CHECK

- 1. Receive the all white signal.
- 2. Set PIC MAX/BRT CENT.
- Confirm that the voltage between CN8015 ① PIN and GND is less than 7.80VDC.

HV REGULATION ADJUSTMENT

- Connect a HV static voltmeter to the unconnected plug of the high-voltage block.
- 2. Power on the set.
- 3. Repeat steps 1 and 2 as above.
- 4. Confirm that the static voltmeter reading is 31.0 ± 0.4 V.
- 5. If not, adjust with VR8001 to the specified value.
- 6. After adjustment, put the VR cover on VR8001 (as shown below) and apply sufficient amount of epoxy resin around VR8001.



3-2. HV HOLD DOWN CIRCUIT OPERATION CHECK AND ADJUSTMENT

When replacing the following components marked with a on the schematic diagram always check the hold-down voltage and re-adjust when necessary.

Part Replaced (☑)	Adjustment (█)
A BOARD:	HV HOLD DOWN
HV Block, T8005 (FBT),	VR8002
T8004 (LOT), C8123, C8124, Q8043, Q8035.	
C8104, R8171, D8036,	
R8043, R8035, C8088,	
C8086, R8159, D8022,	
C8054, R8166, C8100,	
IC8008, D8019, D8020, R8201, C8118, D8028.	
R8196, FB8001, D Board	
, ,	

OPERATION CHECK

- 1. Receive the dot signal.
- 2. Set PIC MIN/BRT MIN.
- 3. Confirm that the voltage between cathode of D8038 (JW171) and GND is more than 23.0V DC.
- 4. Using an external DC Power supply, apply the voltage shown below between cathode of D8038 (JW171) on "D" and GND, then confirm that the HV-Prot circuit works. (Raster disappears)

Apply DC voltage: Less than 29.05V DC.

HV HOLD-DOWN ADJUSTMENT

- Connect a HV static voltmeter to the unconnected plug of the high-voltage block.
- 2. Power on the set.
- 3. Connect an external $10k\Omega$ VR at CN8015 and adjust this VR so that the high voltage is 34.50kV.
- 4. Adjust VR8002 to the point that the HV-Prot circuit works (Raster disappears) at 34.50 ± 0.50kV reading on the static voltmeter.
- After adjustment, put the VR cover on VR8002 and apply sufficient amount of epoxy resin around VR8002 as the same manner for VR8001.

G BOARD

3-3. +B MAX VOLTAGE CONFIRMATION

The following adjustments should always be performed when replacing IC6503 R6518.

- 1. Supply 130VAC to variable autotransformer.
- 2. Receive dot signal pattern and set the PICTURE and BRIGHTNESS settings to their minimum.
- 3. Confirm the voltage of TP +B 135V is less than 137.0Vdc.
- 4. If step 3 is not satisfied, replace IC6503 and repeat steps 1-3.

3-4. +B OVP CONFIRMATION

- 1. Add to low voltage power supply between to TP. 6502 and ground.
- 2. Supply 120VAC to variable autotransformer.
- 3. Power on the Set and receive dot signal pattern.
- 4. Set the PICTURE and BRIGHTNESS settings.
- 5. Check the OVP is activated.

Operate :less than 2.50V

SECTION 4: CIRCUIT ADJUSTMENTS

4-1. P &P SUB CONTRAST ADJUSTMENT (VIDEO) (SCON)

1. Receive the signal.

VIDEO 1 terminal Composite: Color-bar

(white-75%, 7.5% setup)

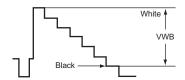
2. VIDEO MODE : Pro
PICTURE : Maximum
COLOR : Minimum
2170P2 1 RGB : 2

- 3. Set to P & P mode, and receive the color bars in both main and sub (left and right), and set to service mode.
- 4. Connect an oscilloscope between the check point and ground.

Check points : CN13 pin C20 (Main) : CN13 pin A19 (Sub)

- 5. Select "2103-1-02" (Main scon), and adjust so that the waveform level of VWB is 1.86 ± 0.03 Vp-p.
- Select "2103-2-02" (Sub scon), and adjust so that the waveform level of VWB is 1.86 ± 0.03Vp-p.
- 7. Write the data into memory.

"MUTING" → "ENTER"



4-2. P & P SUB CONTRAST ADJUSTMENT (RF) (SCON)

1. Receive the signal.

TV terminal RF : Color-bar (white-75%, 7.5% setup)

2. VIDEO MODE : Pro
PICTURE : Maximum
COLOR : Minimum
2170P2 1 RGB : 2

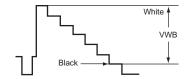
- Set to P & P mode, and receive the color bars in both main and sub (left and right), and set to service mode.
- 4. Connect an oscilloscope between the check point and ground.

Check points : CN13 pin C20 (Main)

: CN13 pin A19 (Sub)

- 5. Select "2103-1-02" (Main scon), and adjust so that the waveform level of VWB is 1.86 ± 0.03 Vp-p.
- 6. Select "2103-2-02" (Sub scon), and adjust so that the waveform level of VWB is $1.86 \pm 0.03 Vp$ -p.
- 7. Write the data into memory.

"MUTING" → "ENTER"



4-3. P & P SUB-HUE AND SUB-COLOR ADJUSTMENT VIDEO (SHUE, SCOL)

1. Receive the signal.

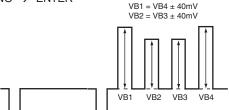
VIDEO 1 terminal Composite: Color-bar

(white-75%, 7.5% setup)

2. VIDEO MODE : Pro
PICTURE : Maximum
COLOR : Center
RGB : 7

- 3. Set to P & P mode, and receive the color bars in both main and sub (left and right), set to service mode.
- Connect an oscilloscope between pin 3 of CN702 (A board) connector and ground.
- 5. Select "2103-1-03 SCOL, -04 SHUE" (Main), and adjust them to have VB1 \leq VB4 and VB2 \leq VB3 in the waveform levels.
- 6. Select "2103-2-03 SCOL, -04 SHUE" (Sub), and adjust them to have VB1 \leq VB4 and VB2 \leq VB3 in the waveform levels.
- 7. Write the data into memory.

"MUTING" → "ENTER"



4-4. P & P SUB-HUE AND SUB-COLOR ADJUSTMENT (RF) (SHUE, SCOL)

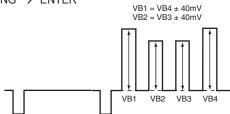
1. Receive the signal.

TV terminal : Color-bar (white-75%, 7.5% setup)

2. VIDEO MODE : Pro
PICTURE : Maximum
COLOR : Center
RGB : 7

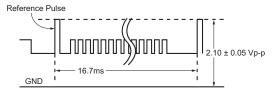
- 3. Set to P & P mode, and receive the color bars in both main and sub (left and right), set to service mode.
- 4. Connect an oscilloscope between pin ③ of CN702 (A board) connector and ground.
- 5. Select "2103-1-03 SCOL, -04 SHUE" (Main), and adjust them to have VB1 \leq VB4 and VB2 \leq VB3 in the waveform levels.
- 6. Select "2103-2-03 SCOL, -04 SHUE" (Sub), and adjust them to have VB1 \leq VB4 and VB2 \leq VB3 in the waveform levels.
- 7. Write the data into memory.

"MUTING" → "ENTER"



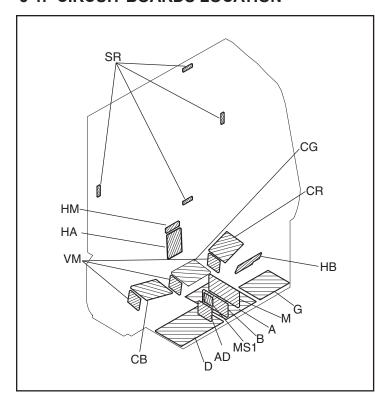
4-5. BLUE OFFSET ADJUSTMENT

- 1. Receive the all black (1080i, component) signal with VIDEO 5 input, and set PICTURE to maximum.
- 2. Connect an oscilloscope between CN507 ⑦ pin (B) on the (A board) and ground.
- 3. Set in the service mode and select the category "2170D-2".
- 4. Adjust "3 SLIN" so that the waveform level is 2.10 ± 0.05 Vpp.
- 5. After completing the adjustments, write the data into memory. "MUTING" \rightarrow "ENTER".
- 6. Receive the RF signal and change the wide screen mode to "Wide Zoom". Copy the same data to "3 SLIN".



SECTION 5: DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



5-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in μF unless otherwise noted. pF : $\mu \mu F$ 50WV or less are not indicated except for electrolytics and tantalums.

All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms. K=1000, M=1000k

Indication of resistance, which does not have one for rating electrical power, is as follows: Pitch: 5mm

Rating electrical power: 1/4 W

¹/₄W in resistance, ¹/₁₀W and ¹/₈W in chip resistance.

: nonflammable resistor.

: fusible resistor.

 Δ : internal component.

: panel designation and adjustment for repair.

上: earth ground

++ : earth-chassis

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a NTSC color-bar signal input.

Readings are taken with a 10M digital multimeter.

Voltages are DC with respect to ground unless otherwise noted.

Voltage variations may be noted due to normal production tolerances.

All voltages are in V.

S: Measurement impossibillity.

____: B+ line

B-line. (Actual measured value may be different).

: signal path. (RF)

Circled numbers are waveform references.

The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be necessary, replace only with the value originally used.

When replacing components identified by \square , make the necessary adjustments as indicated. If the results do not meet the specified value, change the component identified by \square and repeat the adjustment until the specified value is achieved.

(Refer to adjustments in Sections 3-1 and 3-2.)

When replacing the parts listed in the table below, it is important to perform the related adjustments.

Part Replaced (☑)	Adjustment (☑)
A BOARD: HV Block, T8005 (FBT), T8004 (LOT), R8129, D8038, R8128, C8129, R8223, R8102, R8230, R8055, R8153, C8083, R8139, C8079, D8051, D8013, R8140, D8043, R8163, C8090, D8015. R8142, R8131, Q8021, IC8006, D Board	HV REGULATOR VR8001
A BOARD: HV Block, T8005 (FBT), T8004 (LOT), C8123, C8124, Q8043, Q8035, C8104, R8171, D8036, R8043, R8035, C8088, C8086, R8159, D8022, C8054, R8166, C8100, IC8008, D8019, D8020, R8201, C8118, D8028, R8196, FB8001, D Board	HV HOLD DOWN VR8002

REFERENCE INFORMATION

RESISTOR : RN METAL FILM

: RC SOLID

: FPRD NONFLAMMABLE CARBON
: FUSE NONFLAMMABLE FUSIBLE
: RW NONFLAMMABLE WIREWOUND
: RS NONFLAMMABLE METAL OXIDE
: RB NONFLAMMABLE CEMENT
:

∴ ADJUSTMENT RESISTOR

COIL : LF-8L MICRO INDUCTOR

CAPACITOR: TA TANTALUM

: PS STYROL

: PP POLYPROPYLENE

: PT MYLAR

: MPS METALIZED POLYESTER : MPP METALIZED POLYPROPYLENE

: ALB BIPOLAR

: ALT HIGH TEMPERATURE : ALR HIGH RIPPLE

The components identified by shading and \triangle symbol are critical for safety. Replace only with part number specified.

The symbol indicates a fast operating fuse and is displayed on the component side of the board. Replace only with fuse of the same rating as marked.

Les composants identifies per un trame et une marque extstyle
Le symbole \blacksquare indique une fusible a action rapide. Doit etre remplace par une fusible de meme yaleur, comme maque.

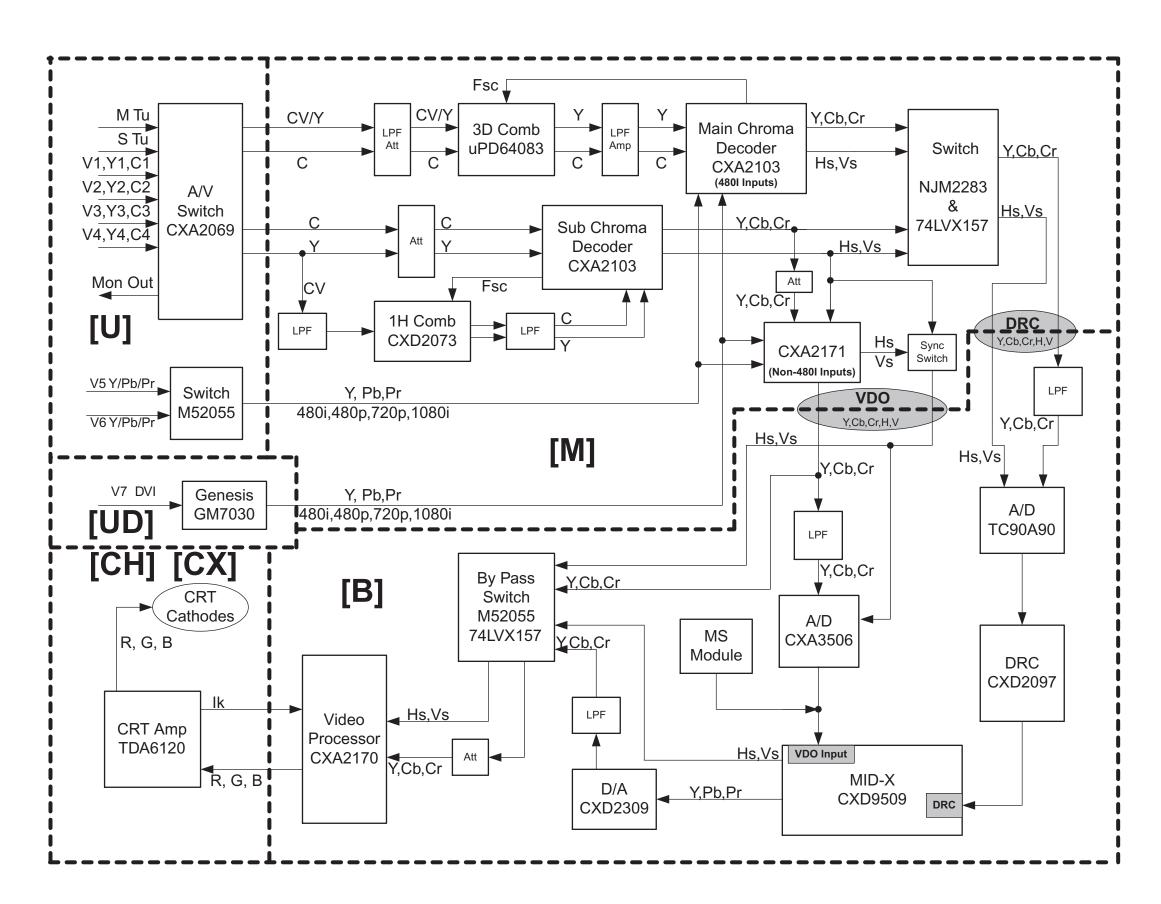
Terminal name of semiconductors in silk screen printed circuit (*)

	Device	Printed symbol	Terminal name	Circuit		
1	Transistor		Collector Base Emitter	a		
2	Transistor		Collector Base Emitter			
3	Diode		Cathode Anode	÷		
4	Diode		Cathode Anode (NC)	<u> </u>		
(5)	Diode		Cathode Anode (NC)	.		
6	Diode		Common Anode Cathode			
7	Diode		Common Anode Cathode			
8	Diode		Common Anode Anode			
9	Diode		Common Anode Anode			
10	Diode		Common Cathode Cathode			
11	Diode		Common Cathode Cathode			
12	Diode		Anode Cathode Anode Anode			
13)	Transistor (FET)		Drain Source Gate			
14)	Transistor (FET)		Drain Source Gate	so so		
15)	Transistor (FET)		□ Source □ Drain □ Gate	G S S S S S S S S S S S S S S S S S S S		
16)	Transistor		☐ Emitter☐ Collector☐ Base			
17)	Transistor	++	C2 B1 E1 E2 B2 C1	B10 C2 OB2		
18)	Transistor	+	C1 B2 E2 E1 B1 C2	C1O OC2 B1O 1 OB2		
19	Transistor	_	C1 B2 E2 E1 B1 C2	E10 0E2		
20	Transistor	_	C1 B2 E2 E1 B1 C2	B10 0E2 0B2		
21)	Transistor	_	E2 B1 E1 C2 C1(B2)	C1(B2)Q QC2 B1Q E2Q QE2		
22	Transistor		(B2) B1 E1 E2 C1 C2	B10 C10 OC2		
23	Transistor		(B2) E2 E1 B1 C2 C1	B10 C2		
_	Discrete semiconductor					

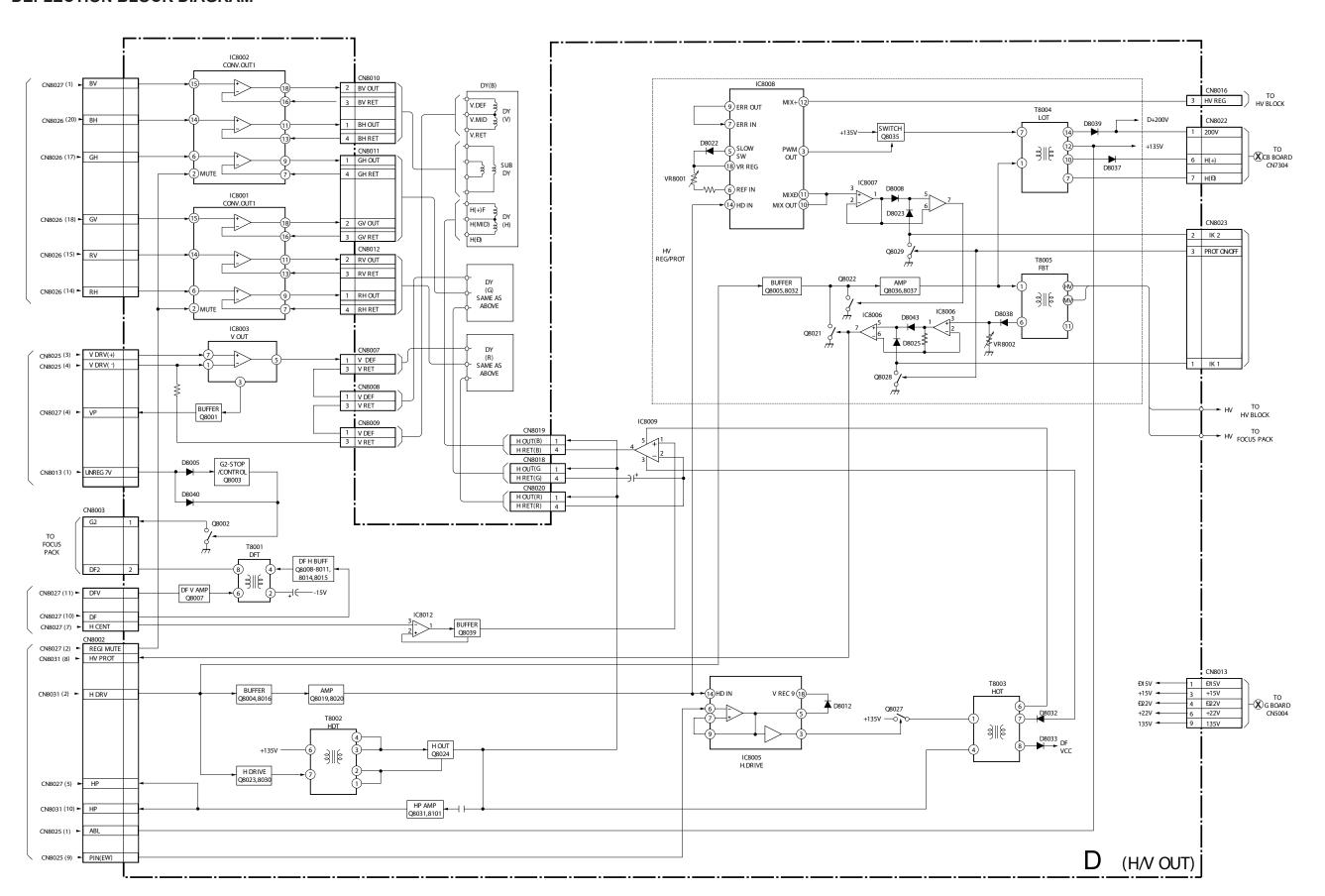
(Chip semiconductors that are not actually used are included.)

Ver.1

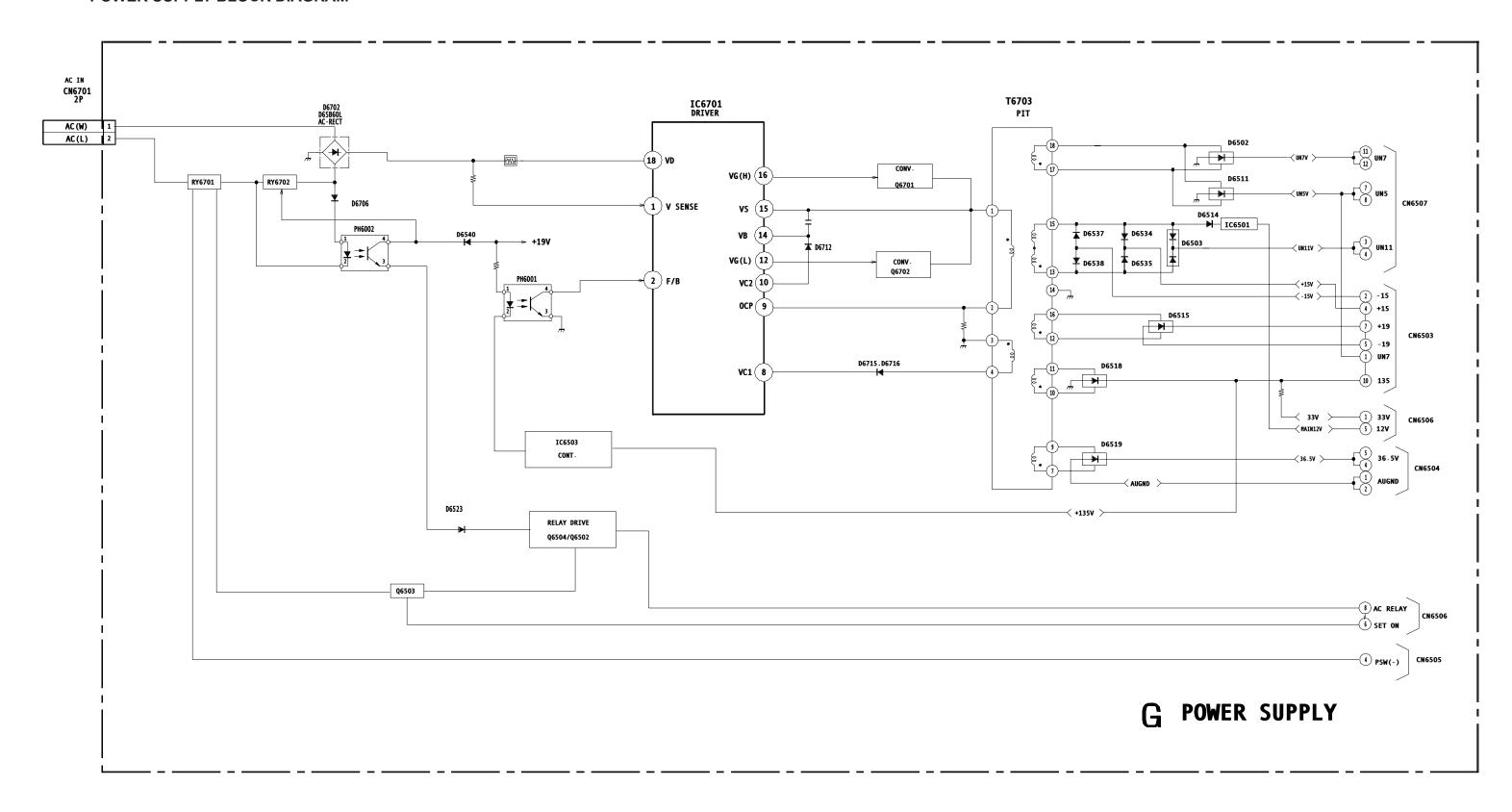
5-3. BLOCK DIAGRAMS SIGNAL FLOW BLOCK DIAGRAM



DEFLECTION BLOCK DIAGRAM

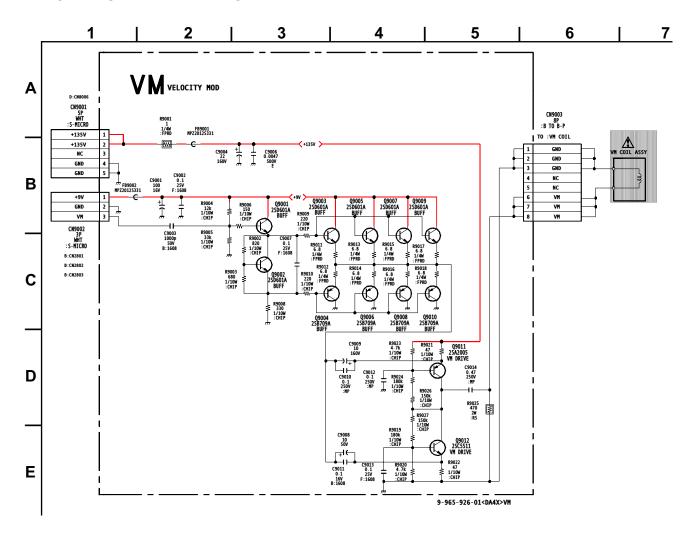


POWER SUPPLY BLOCK DIAGRAM



5-4. SCHEMATICS AND SUPPORTING INFORMATION

VM BOARD SCHEMATIC DIAGRAM

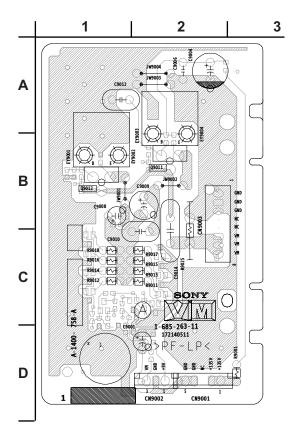


VM BOARD TRANSISTOR TABLE

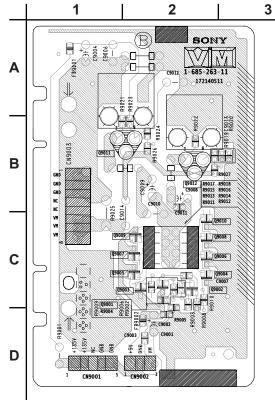
	В	С	E
Q9001	0.0	9.0	5.2
Q9002	3.6	GND	4.3
Q9003	5.1	9.0	4.5
Q9004	3.6	GND	4.3
Q9005	5.1	9.0	4.5
Q9006	3.6	GND	4.3
Q9007	5.1	9.0	4.5
Q9008	3.6	GND	4.3
Q9009	5.1	9.0	4.5
Q9010	0.8	66.7	0.2
Q9011	133.8	66.7	134.3
Q9012	0.3	66.7	0.1

All voltages are in V.





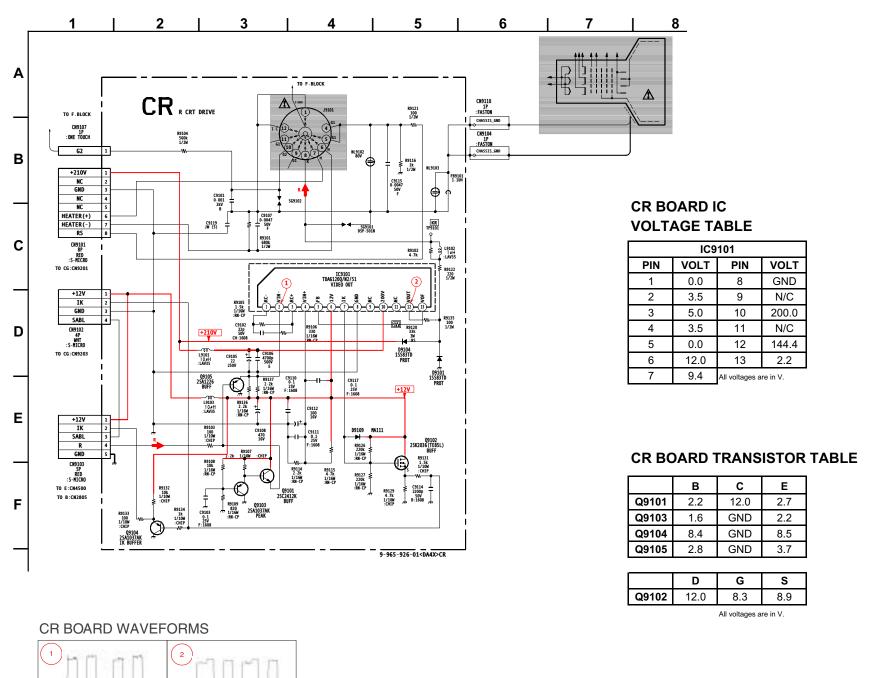
CONDUCTOR SIDE 1 |

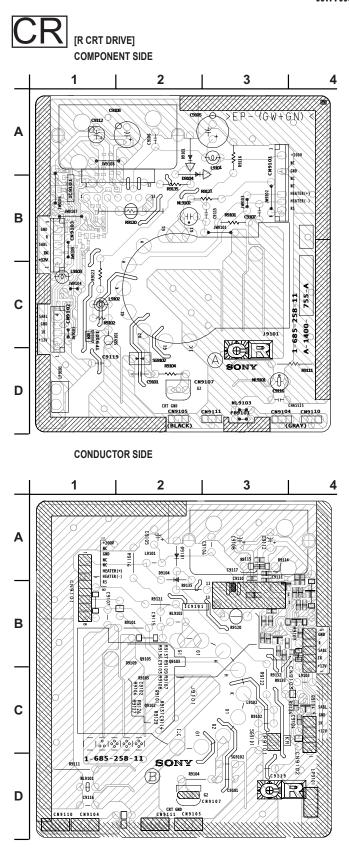




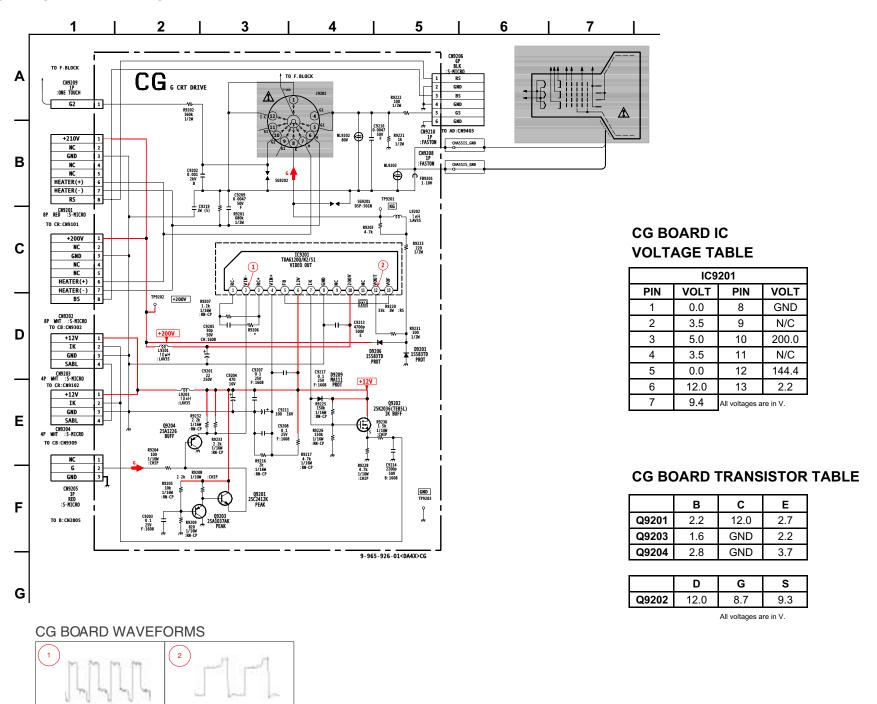
2.4 Vp-p (H)

101 Vp-p (H)



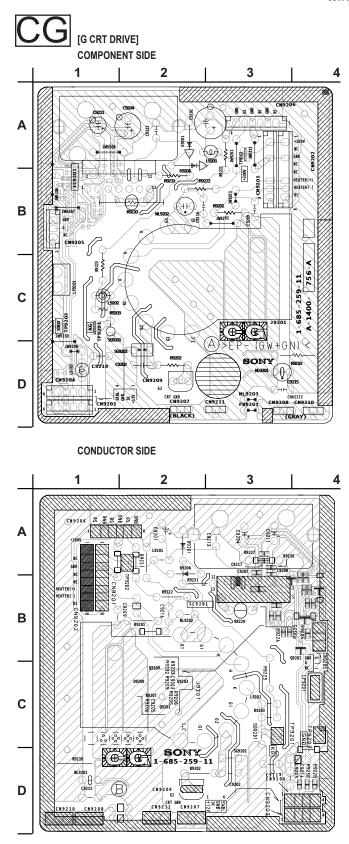


CG BOARD SCHEMATIC DIAGRAM

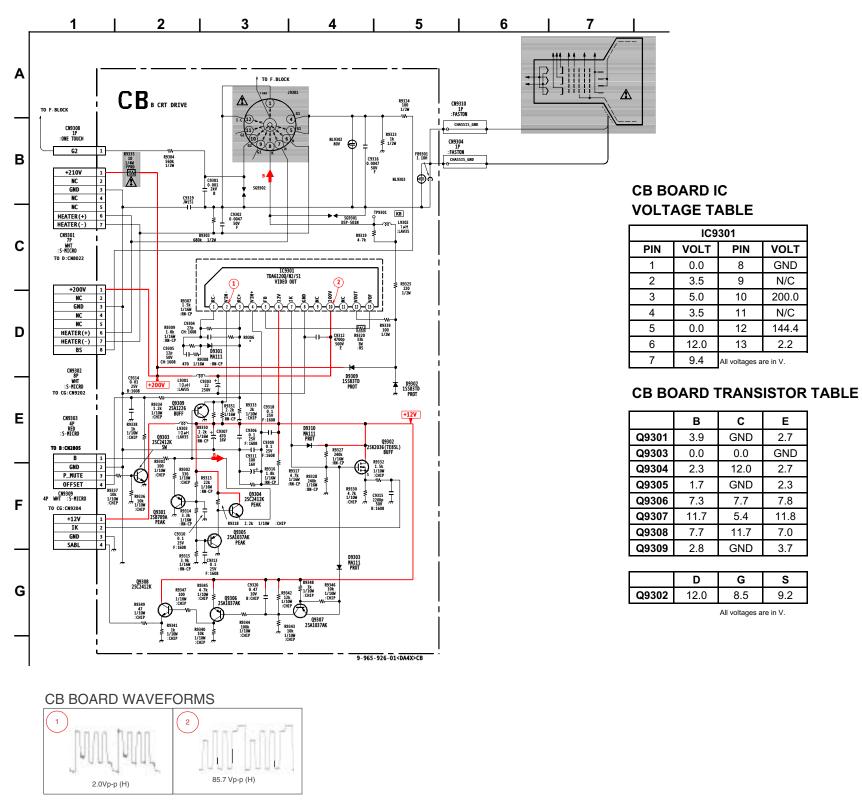


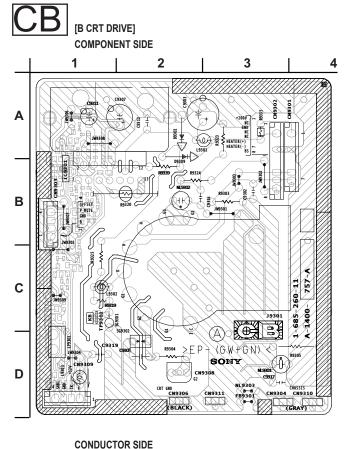
99.5 Vp-p (H)

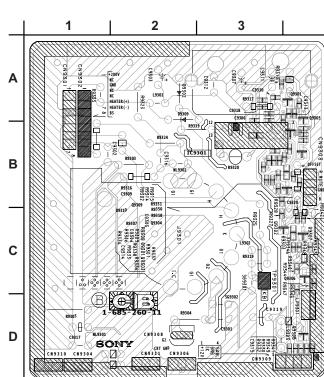
2.1 Vp-p (H)

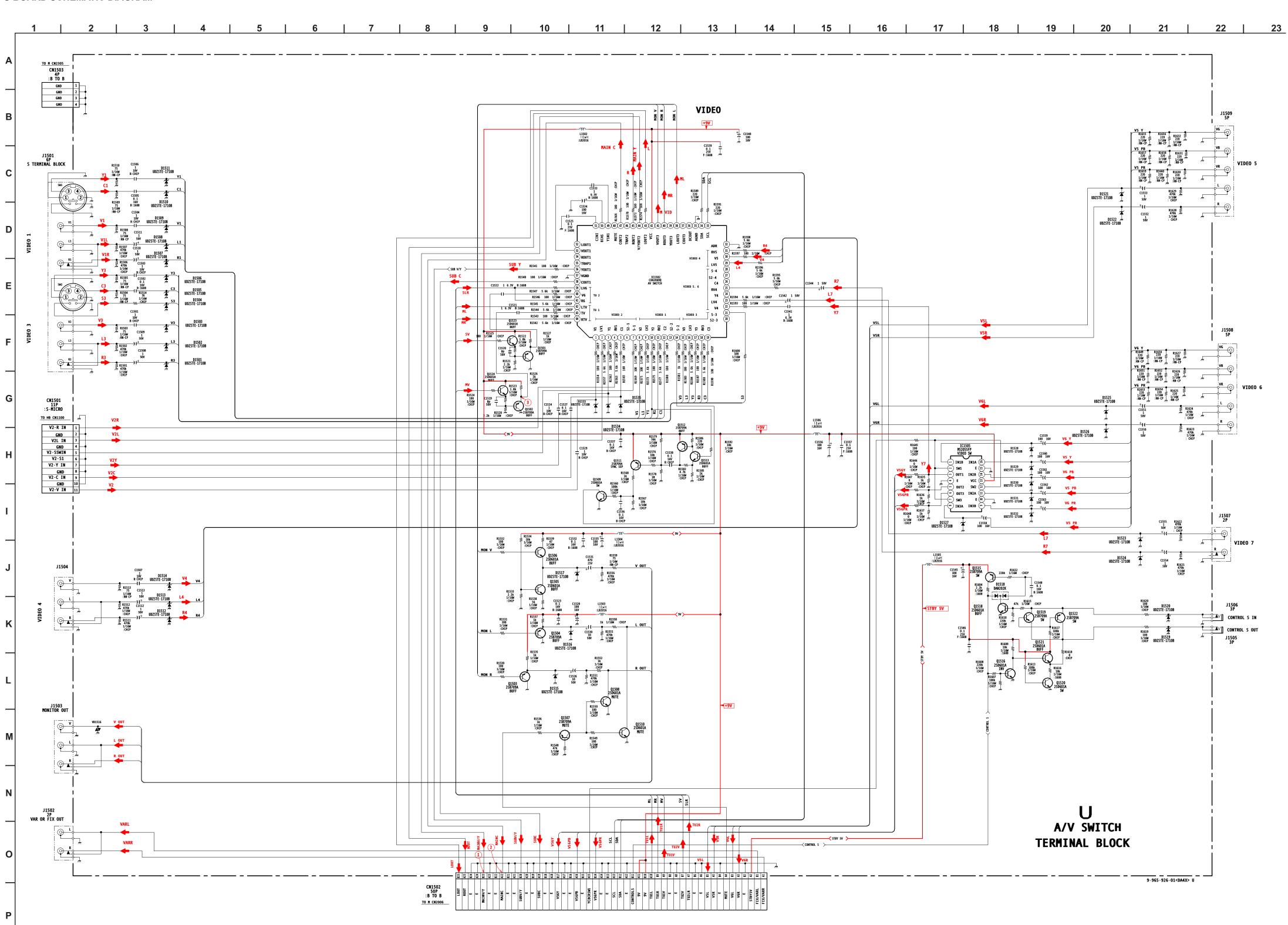


CB BOARD SCHEMATIC DIAGRAM

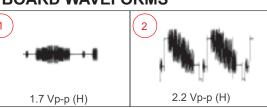








U BOARD WAVEFORMS

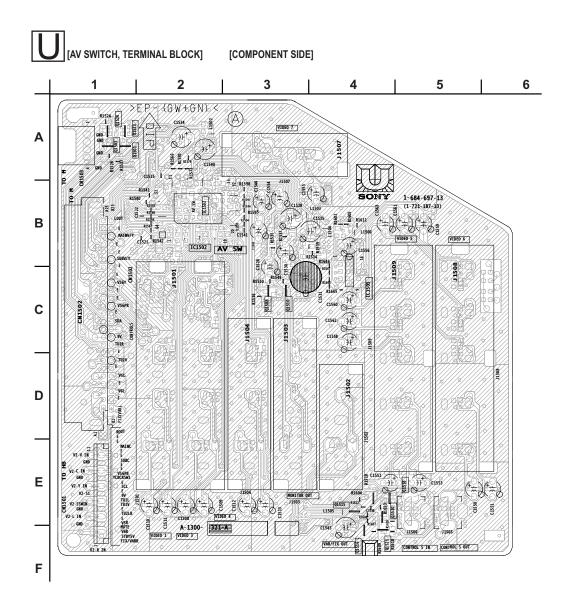


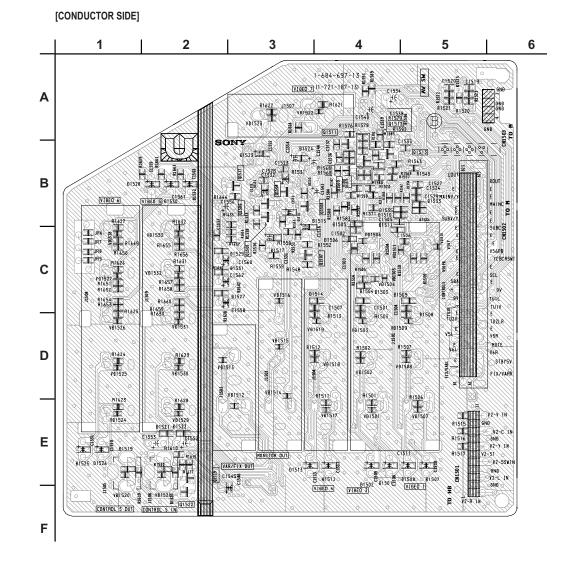
U BOARD IC VOLTAGE LIST

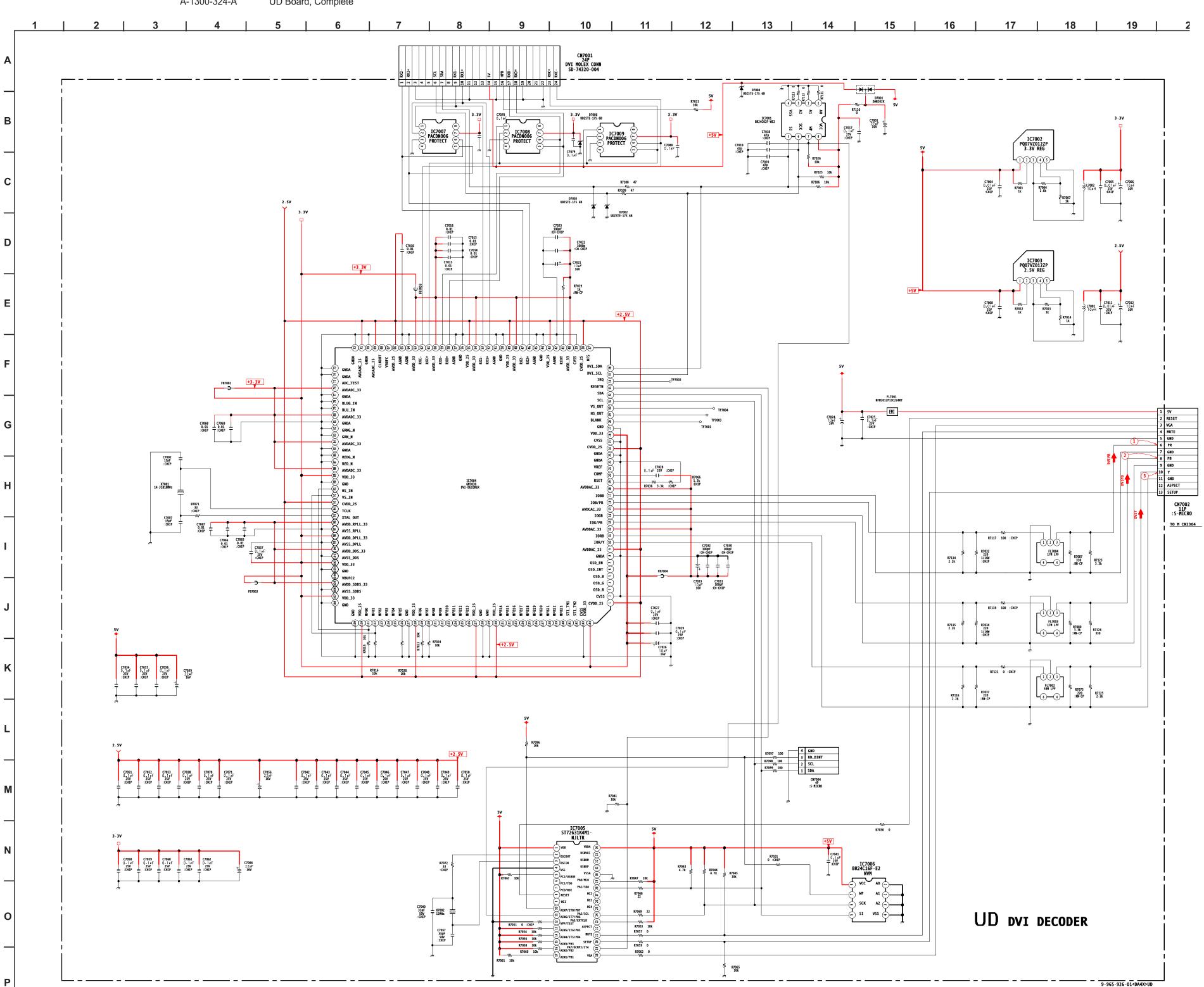
IC1502		21	4.9	43	4.5	IC1505	
PIN	VOLT	22	3.9	44	4.3	PIN	VOLT
1	3.9	23	4.5	45	4.5	1	4.7
2	4.5	24	N/C	46	N/C	2	0.0
3	3.9	25	4.5	47	4.4	3	3.2
4	4.5	26	N/C	48	N/C	4	GND
5	4.5	27	N/C	49	4.9	5	3.2
6	N/C	28	N/C	50	4.5	6	3.2
7	4.9	29	4.5	51	4.5	7	0.0
8	4.3	30	3.9	52	N/C	8	4.6
9	4.5	31	4.5	53	4.4	9	4.6
10	3.9	32	GND	54	N/C	10	GND
11	4.5	33	4.6	55	N/C	11	4.7
12	4.5	34	4.6	56	4.1	12	0.0
13	N/C	35	GND	57	GND	13	9.0
14	4.9	36	N/C	58	4.4	14	4.7
15	3.9	37	N/C	59	4.5	15	GND
16	4.5	38	4.5	60	5.0	16	4.7
17	3.9	39	N/C	61	4.5	All voltages	are in V.
18	4.5	40	4.5	62	4.5		
19	4.5	41	4.4	63	4.9		
20	N/C	42	9.0	64	4.5		

U BOARD TRANSISTOR TABLE

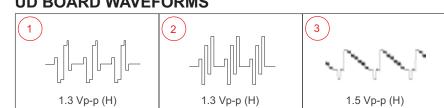
	В	С	Е
Q1501	2.0	GND	2.7
Q1502	3.3	GND	4.0
Q1503	4.5	GND	5.2
Q1504	4.5	GND	5.2
Q1505	1.6	3.7	0.9
Q1506	4.4	8.3	3.8
Q1507	0.0	0.0	0.0
Q1508	0.0	0.0	GND
Q1509	0.0	4.9	GND
Q1510	0.0	0.0	GND
Q1511	8.5	0.0	9.0
Q1512	8.4	5.3	9.0
Q1513	3.8	8.4	3.2
Q1515	4.9	4.2	5.0
Q1516	0.6	0.1	GND
Q1518	0.0	4.9	GND
Q1519	5.0	0.0	0.0
Q1520	0.6	0.0	GND
Q1521	0.1	5.0	0.0
Q1522	5.0	0.0	0.0
Q1523	4.5	9.0	3.9
Q1524	6.5	9.0	3.9
All voltages are in V.			

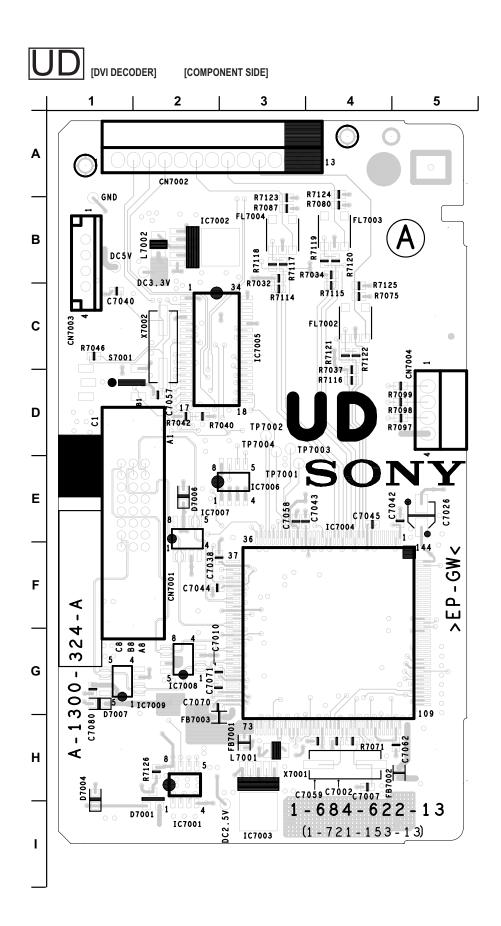


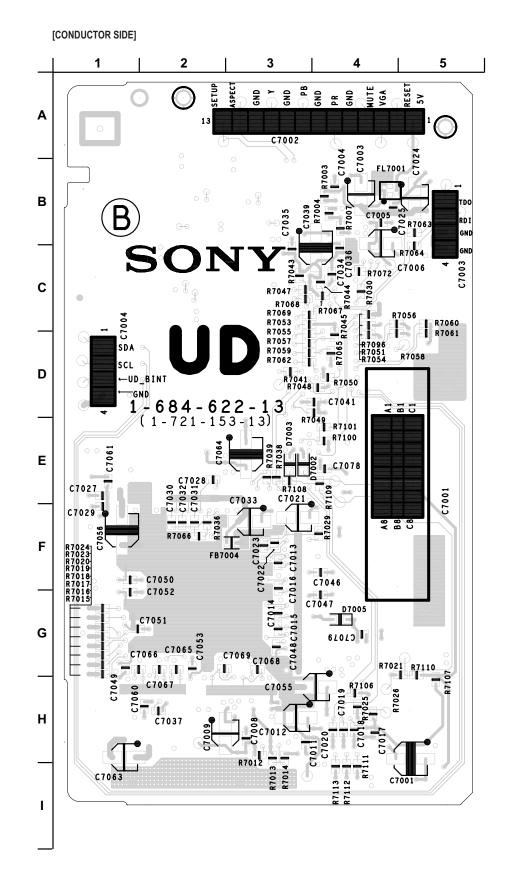


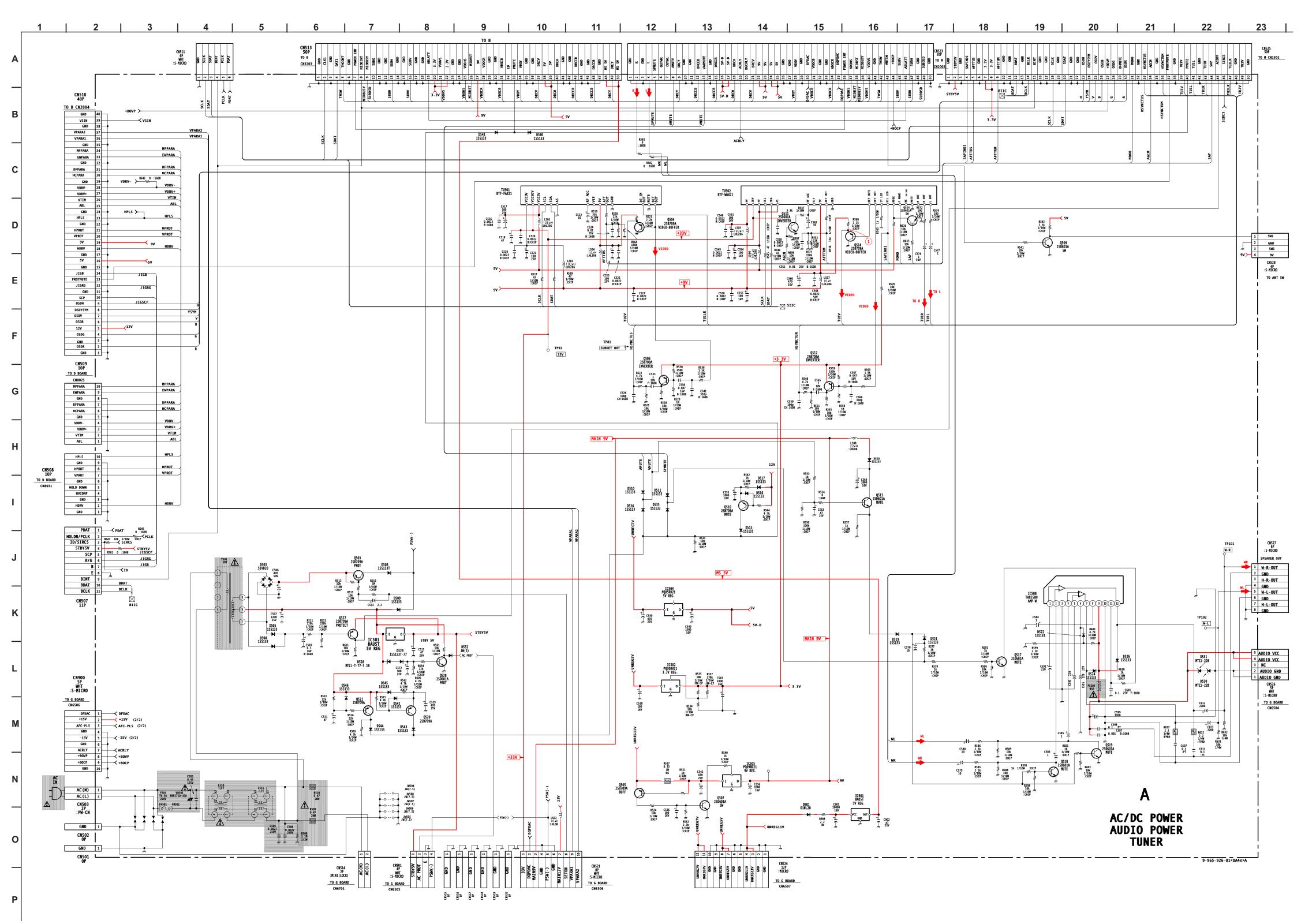


UD BOARD WAVEFORMS

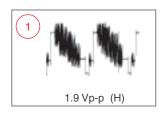








A BOARD WAVEFORMS

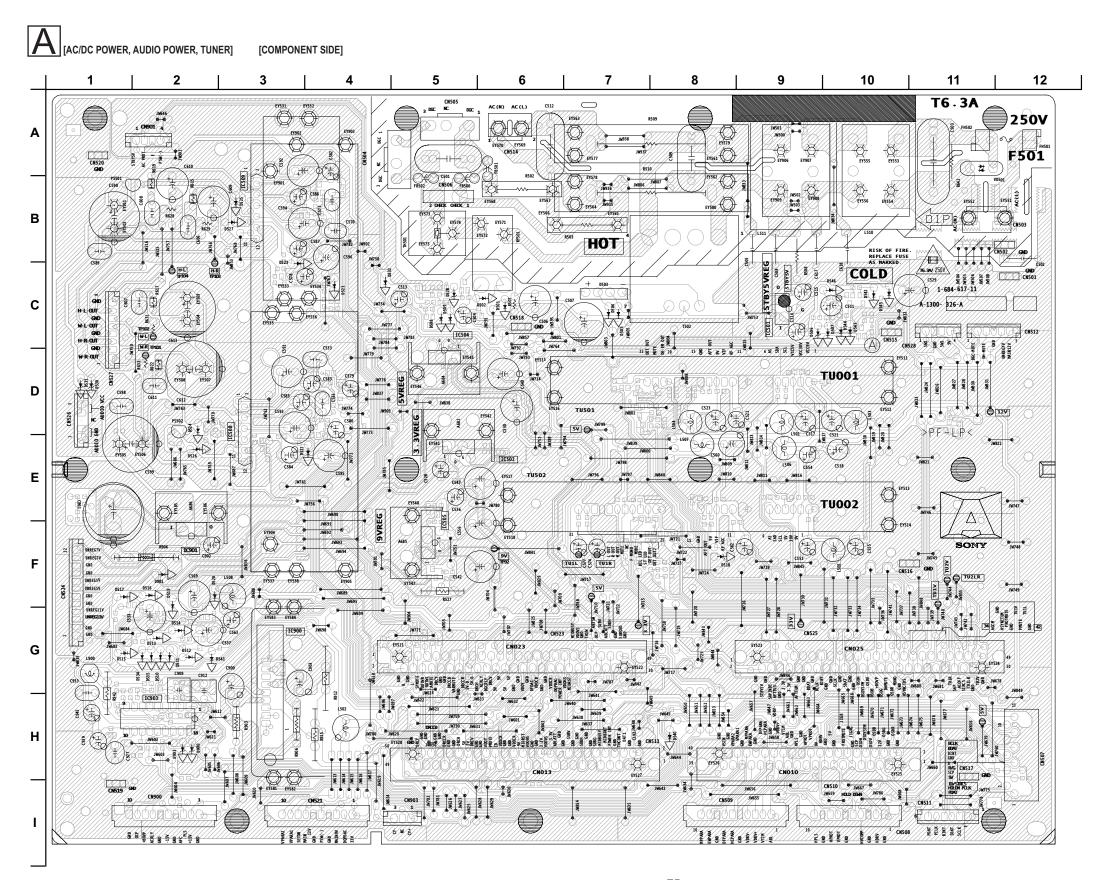


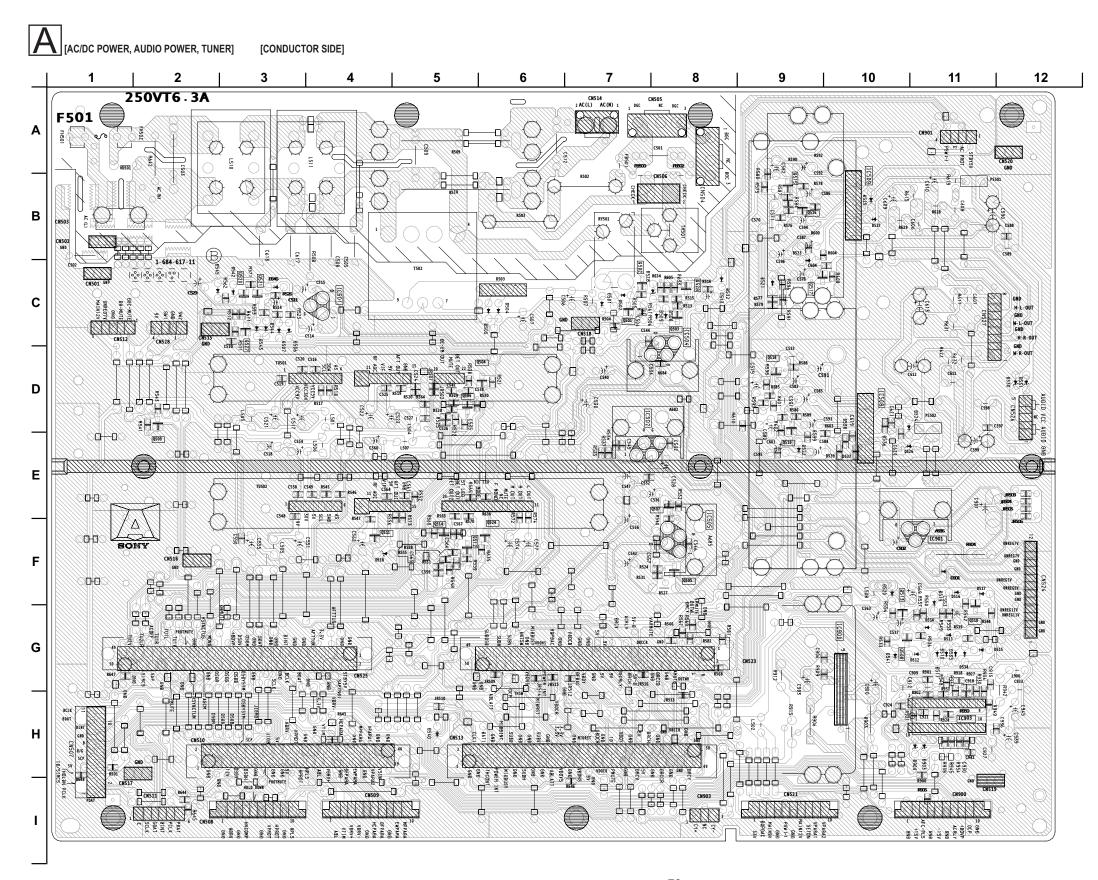
A BOARD IC VOLTAGE LIST

IC501		IC508	
PIN	VOLT	PIN	VOLT
I	9.7	1	1.6
0	5.0	2	0.1
GND	GND	3	GND
IC	502	4	0.1
PIN	VOLT	5	1.6
I	5.0	6	7.9
0	3.3	7	11.0
GND	GND	8	5.1
4	3.4	9	24.0
IC:	504	10	0.0
PIN	VOLT	11	4.4
I	7.0	12	10.6
0	5.0	IC901	
GND	GND	PIN	VOLT
4	N/C	I	11.0
IC:	505	O 5.0	
PIN	VOLT	GND	GND
I	11.0	All voltages are in V.	
0	9.0		
GND	GND		
4	2.3		

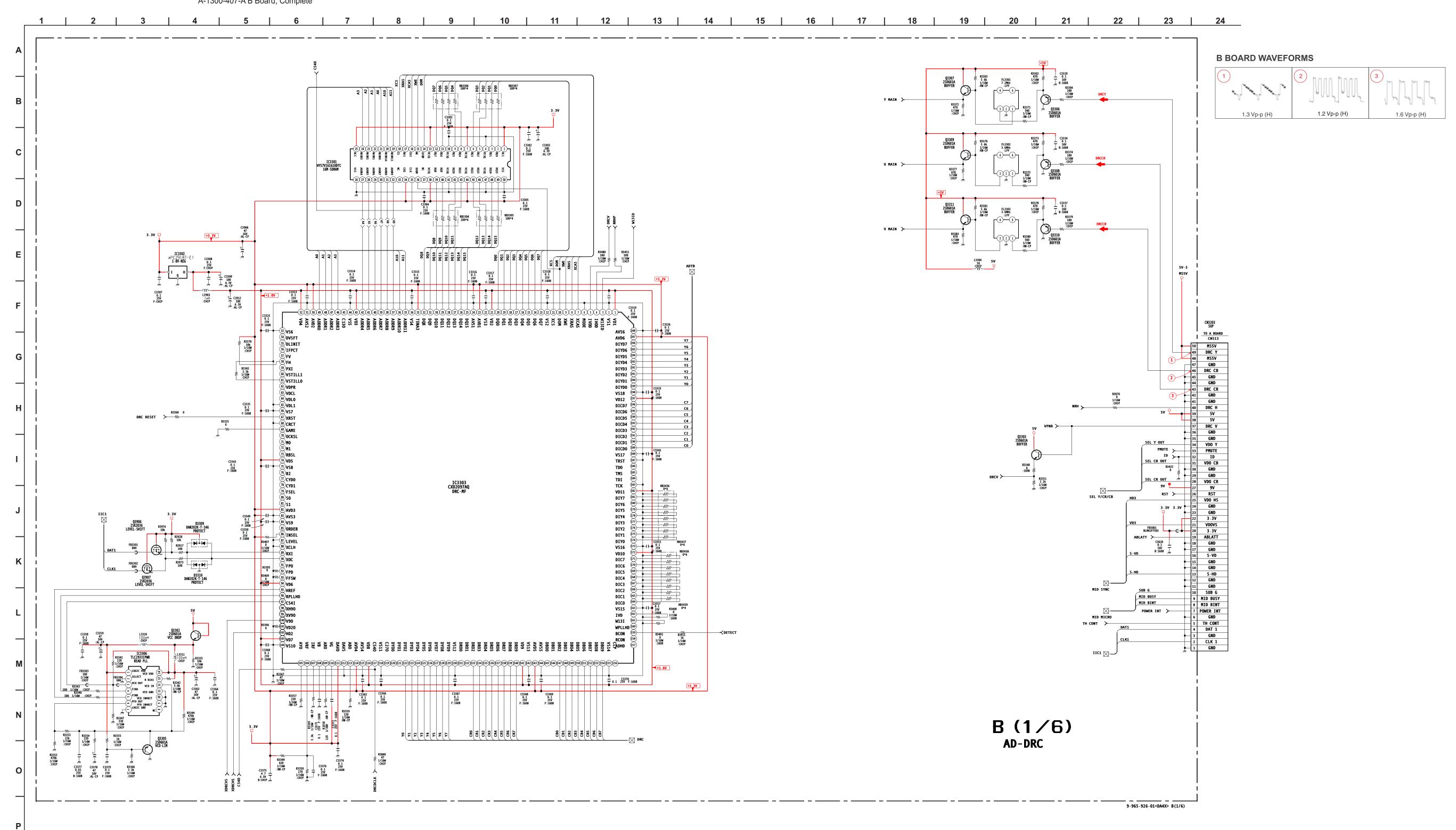
A BOARD TRANSISTOR VOLTAGE LIST

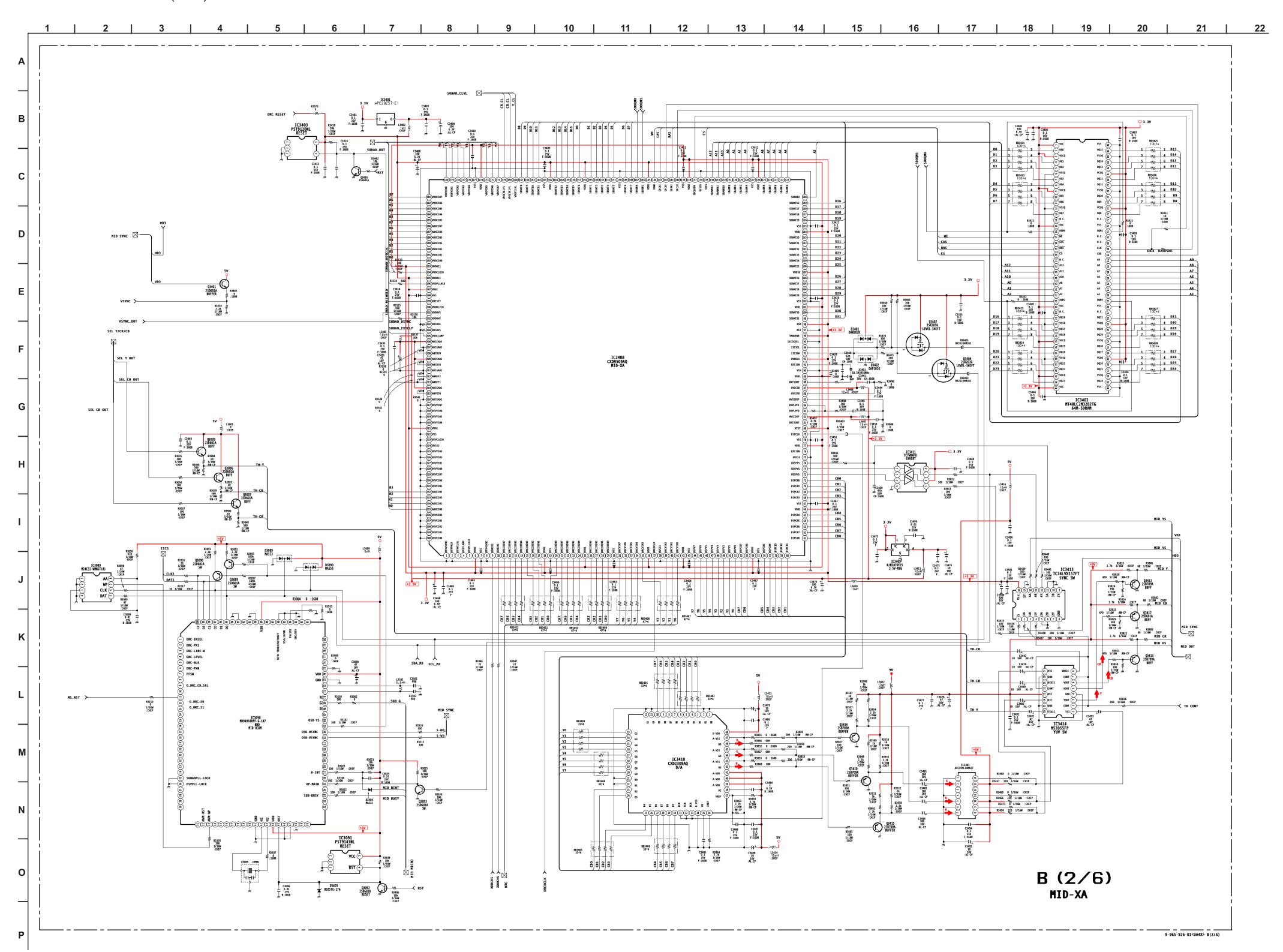
	В	С	Е
Q503	21.2	0.2	21.3
Q504	3.9	GND	4.5
Q505	10.0	0.1	11.0
Q506	3.5	0.5	3.3
Q507	0.1	2.3	GND
Q509	0.7	0.1	GND
Q510	12.0	0.0	12.0
Q511	0.1	7.5	GND
Q512	3.3	0.5	3.3
Q513	0.0	9.0	0.0
Q514	5.9	GND	6.5
Q517	0.0	4.4	GND
Q518	0.0	0.0	GND
Q519	0.0	0.0	GND
Q520	9.7	0.0	9.7
Q521	9.7	0.0	9.7
Q524	0.7	0.1 GN	
Q527	9.8	0.0	5.0
Q528	0.7	0.0	GND

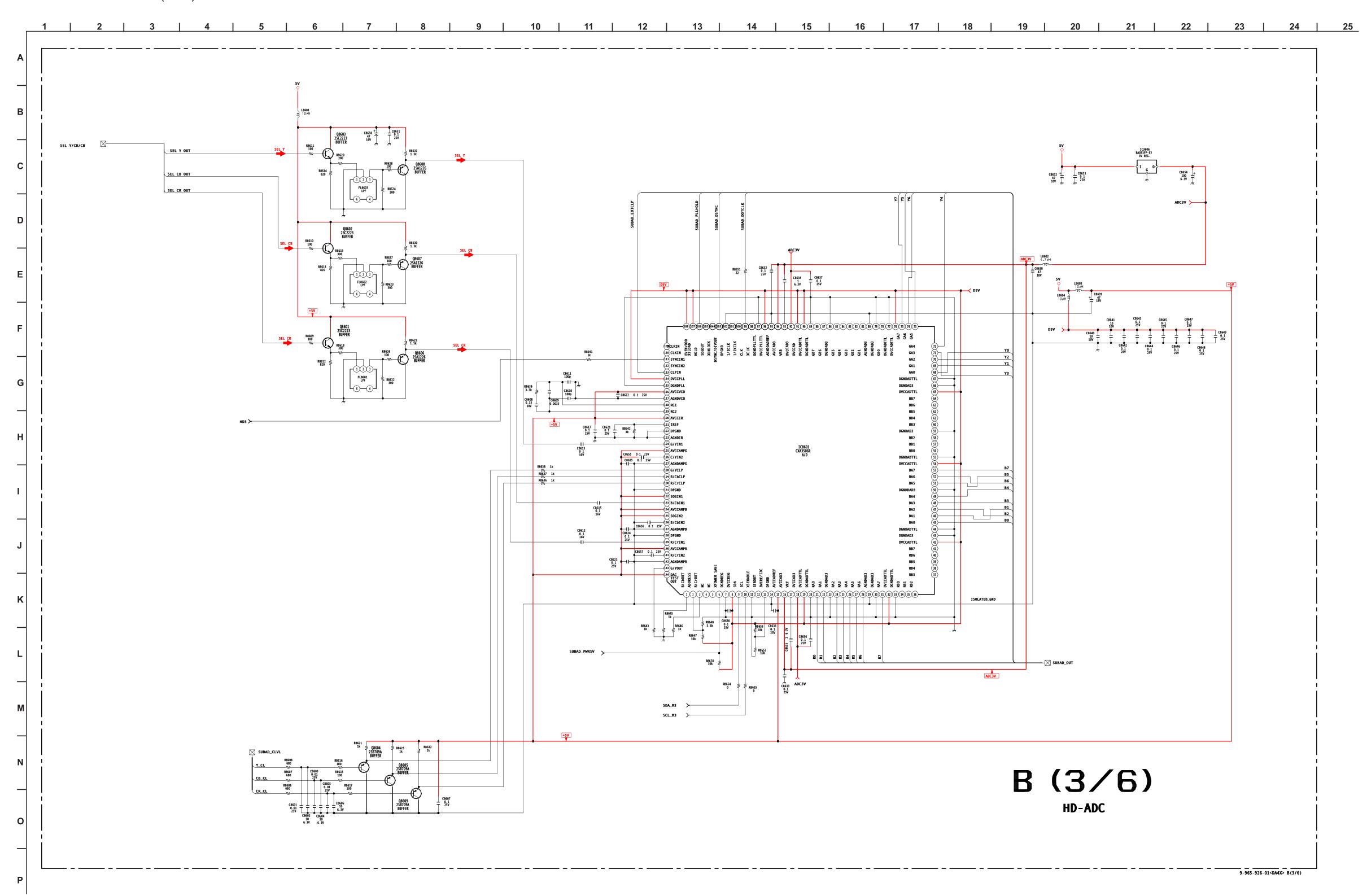




A BOARD LOCATOR LIST				
IC		DIODE		
IC501	C-4	D503	C-6	
IC502	D-8	D504	C-6	
IC504	C-8	D505	C-6	
IC505	E-8	D508	C-8	
IC508	D-10	D509	C-8	
IC901	F-11	D510	G-11	
TRANS	ISTOR	D511	G-11	
Q503	C-8	D515	G-11	
Q504	D-6	D516	F-11	
Q505	F-8	D517	F-11	
Q506	D-5	D519	F-11	
Q507	E-8	D520	F-10	
Q509	E-2	D521	C-9	
Q510	G-11	D522	E-9	
Q511	F-4	D524	D-11	
Q512	F-6	D526	E-11	
Q513	F-10	D528	C-7	
Q514	F-5	D529	C-7	
Q517	C-9	D530 D-		
Q518	D-9	D531 D-1		
Q519	E-9	D534 G-		
Q520	C-3	D535 G-1		
Q521	C-3	D540 H-5		
Q524	F-6	D541	G-10	
Q527	C-3	D542 C-		
Q528	C-8	D543	C-3	
		D544	C-3	
		D545	C-3	
		D546	C-3	
		D901	F-11	



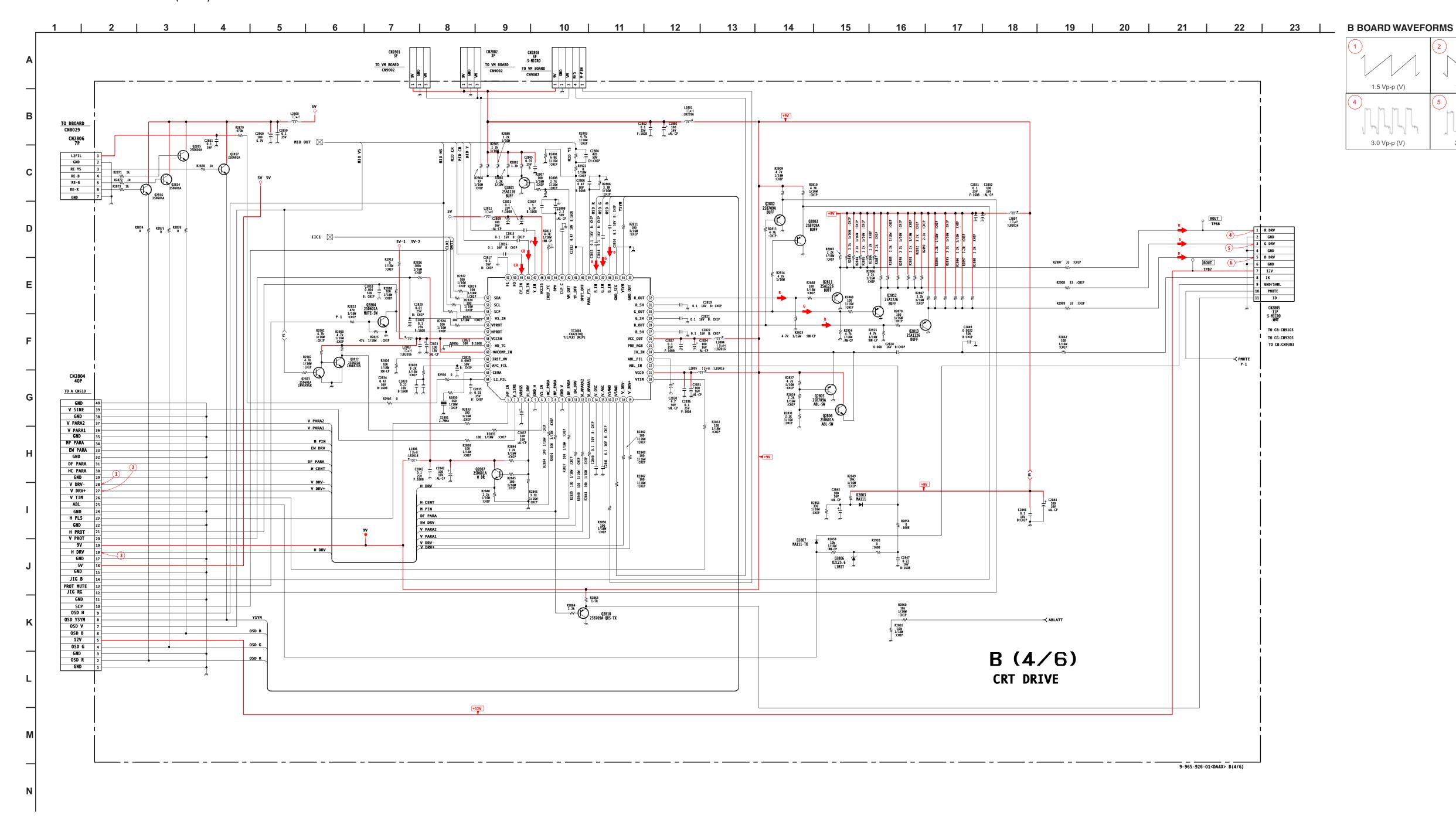


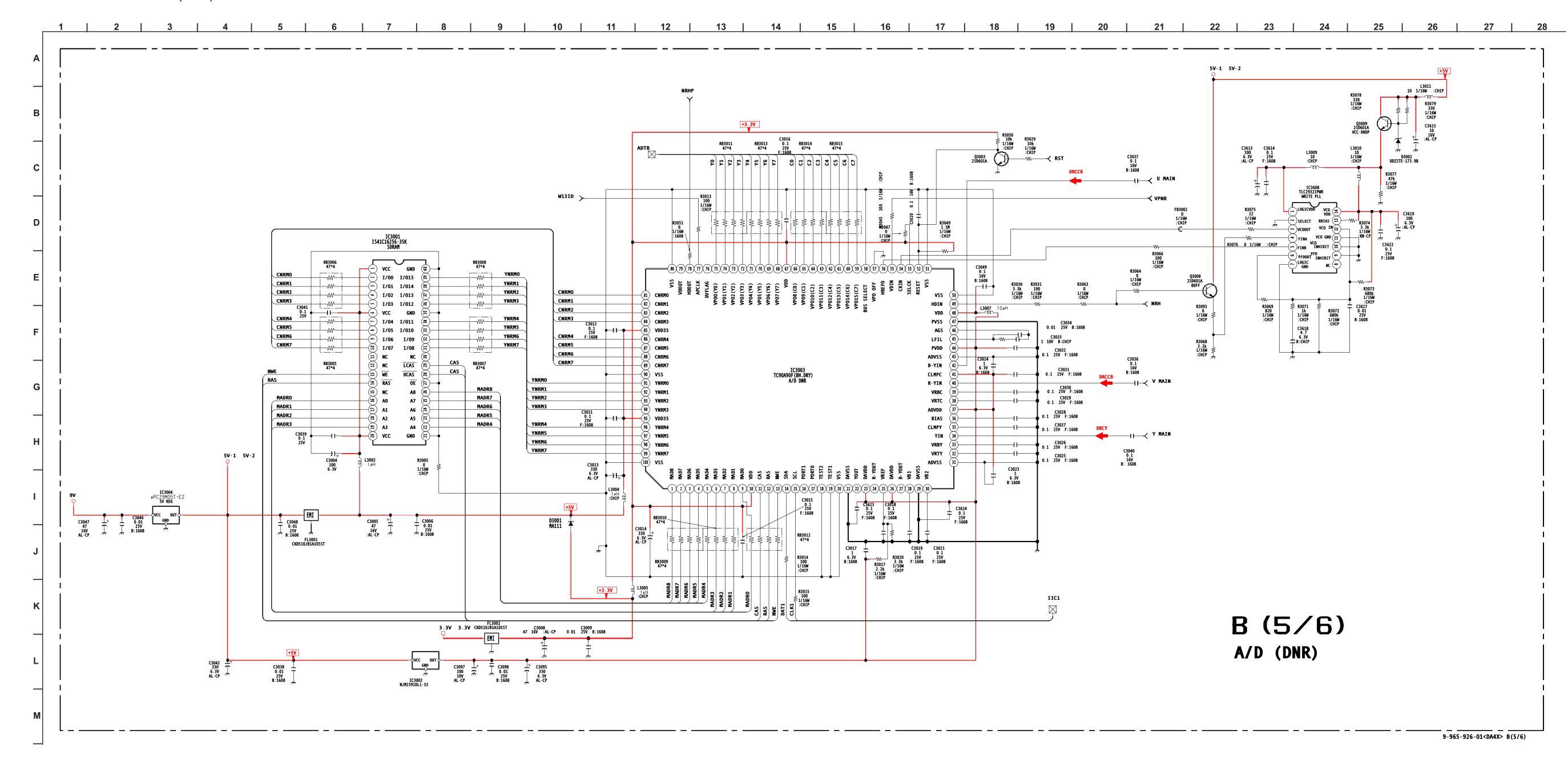


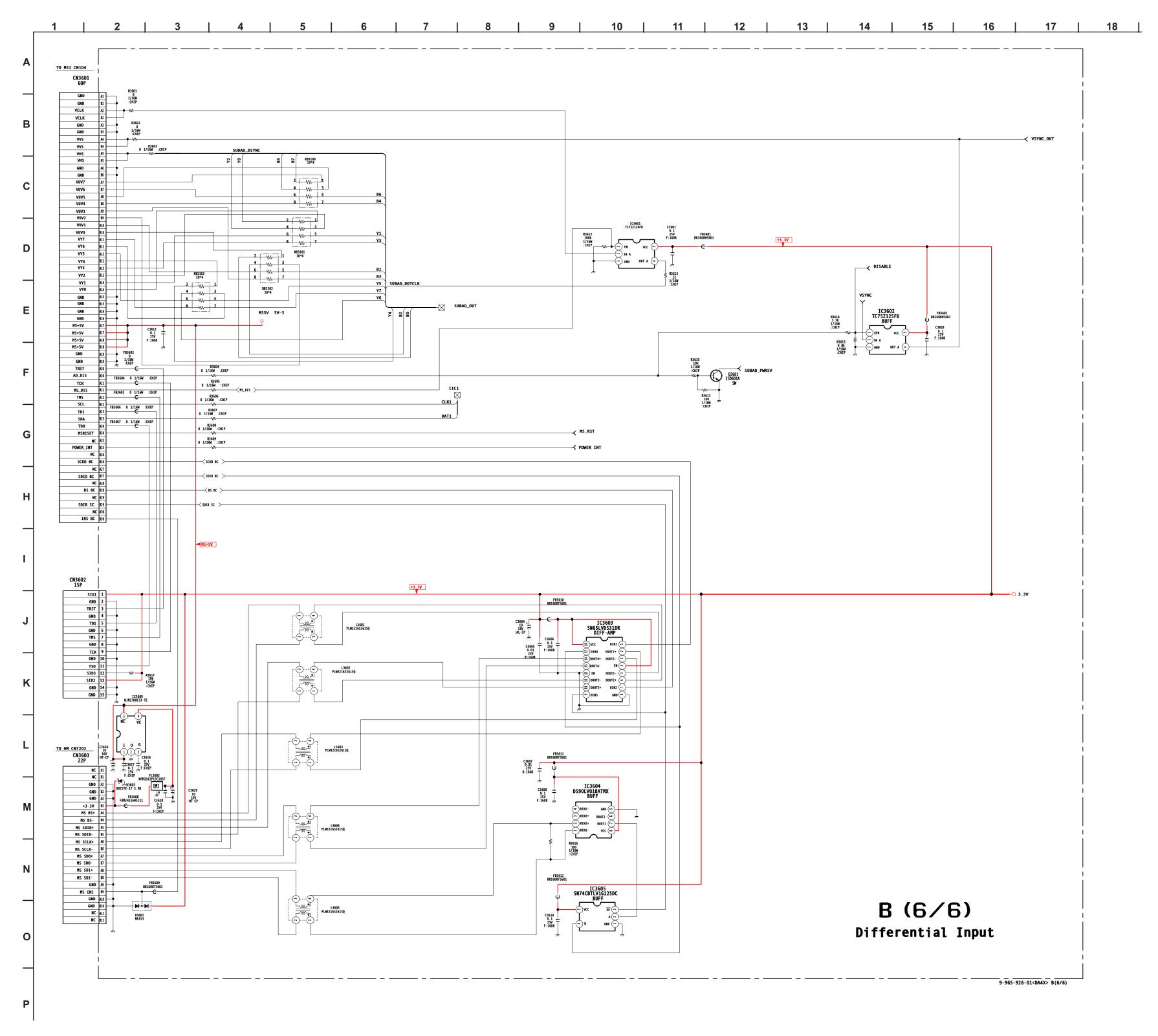
2.9 Vp-p (H)

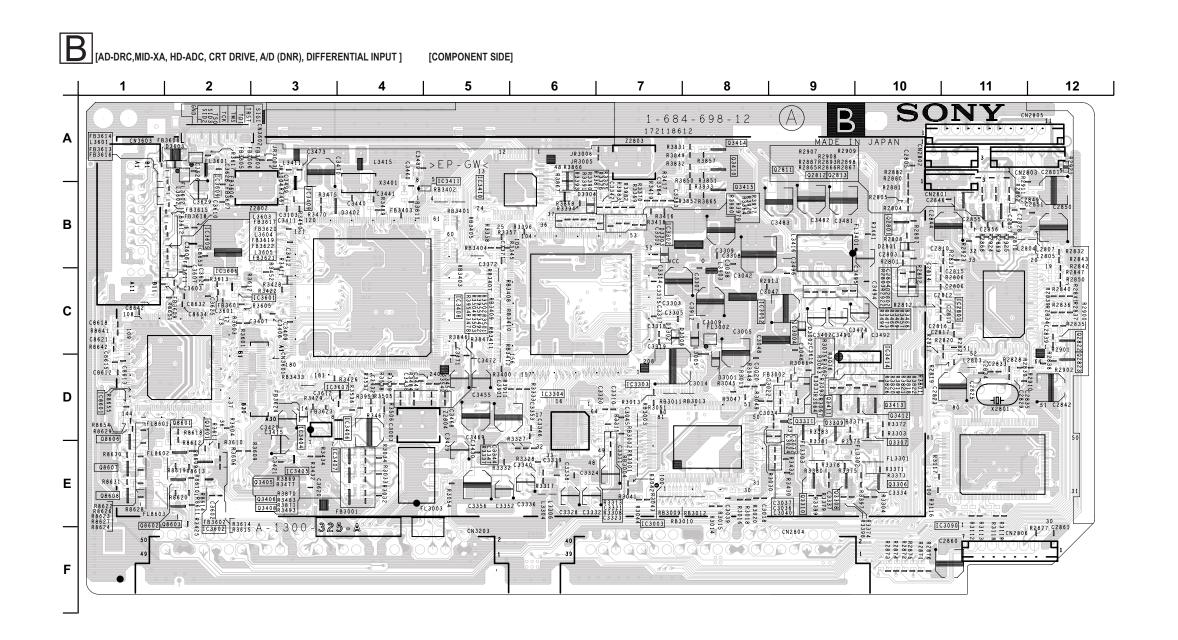
2.4 Vp-p (H)

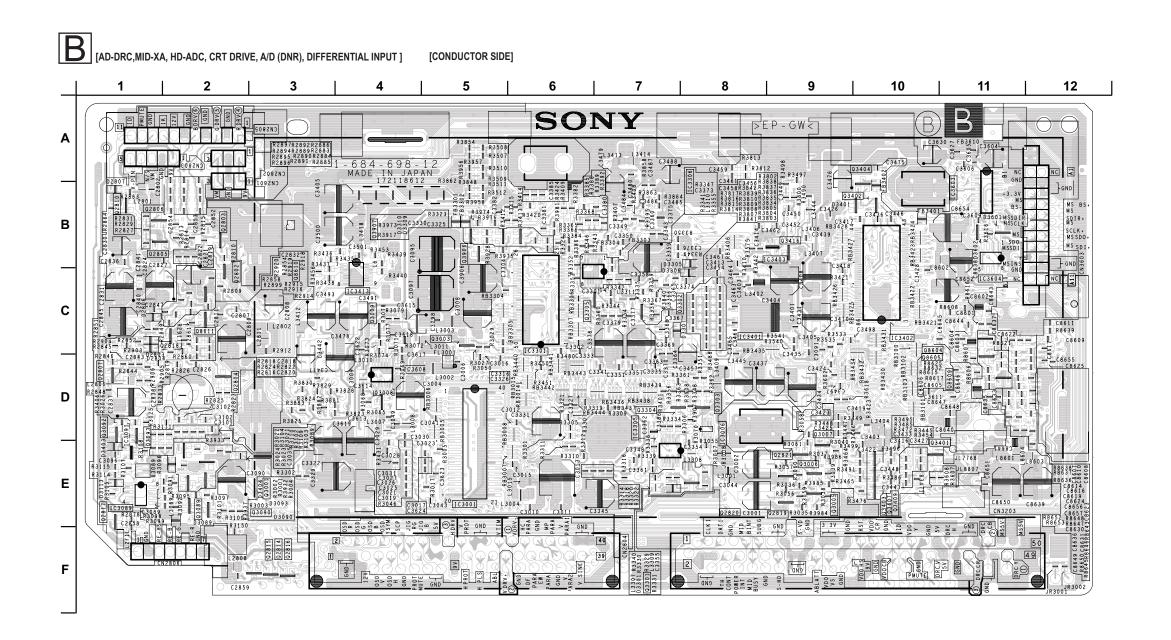
2.3 Vp-p (V).

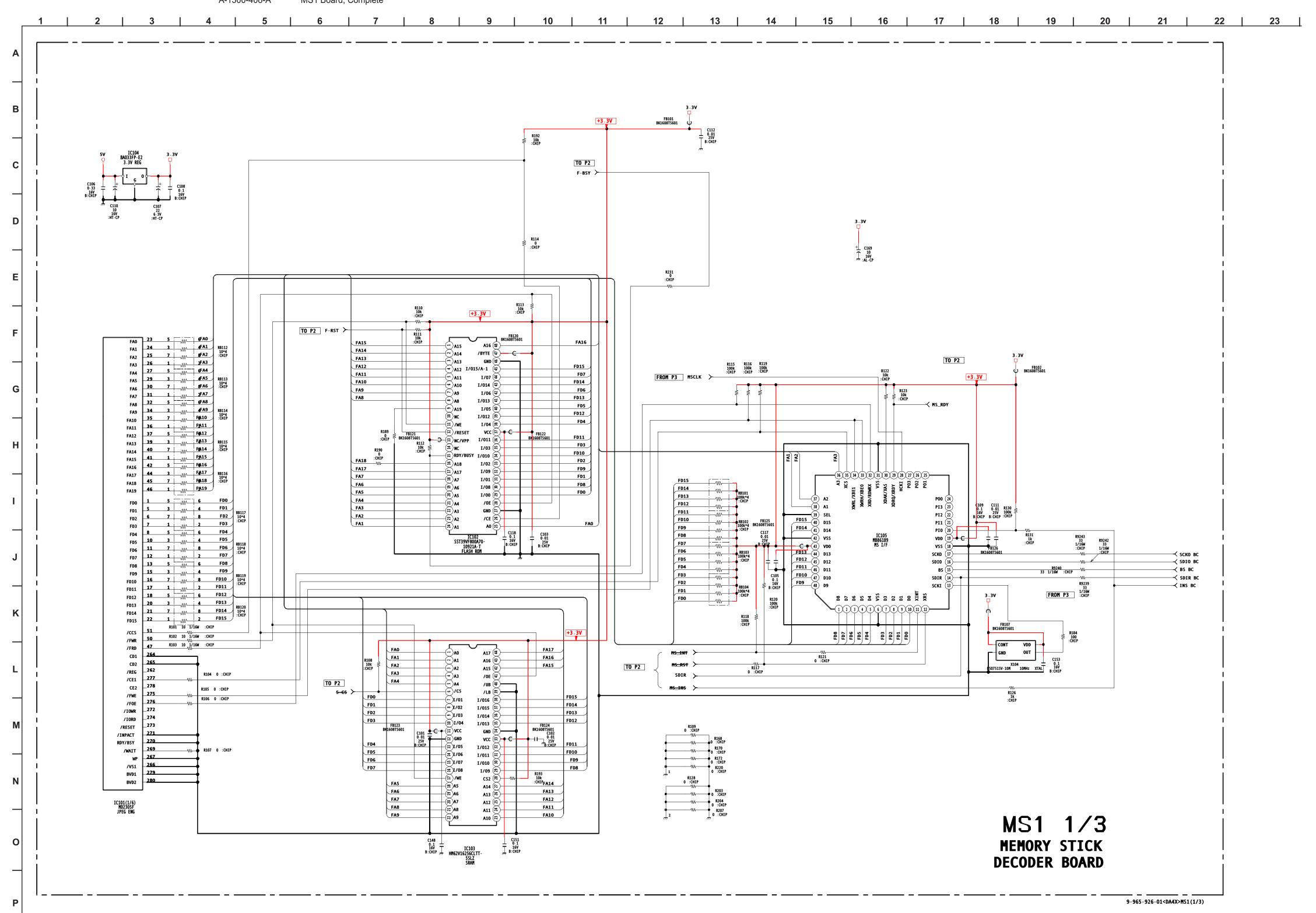


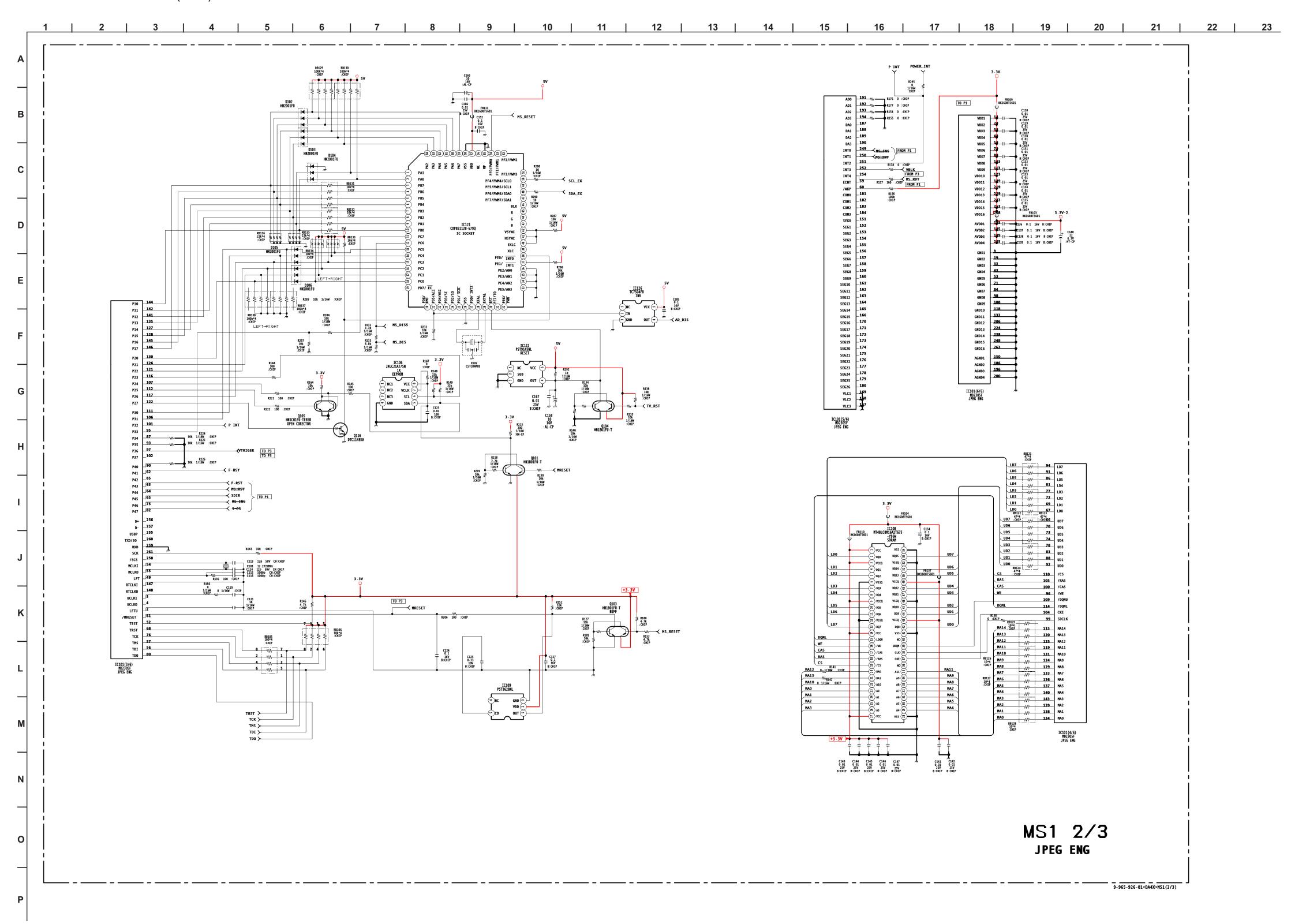


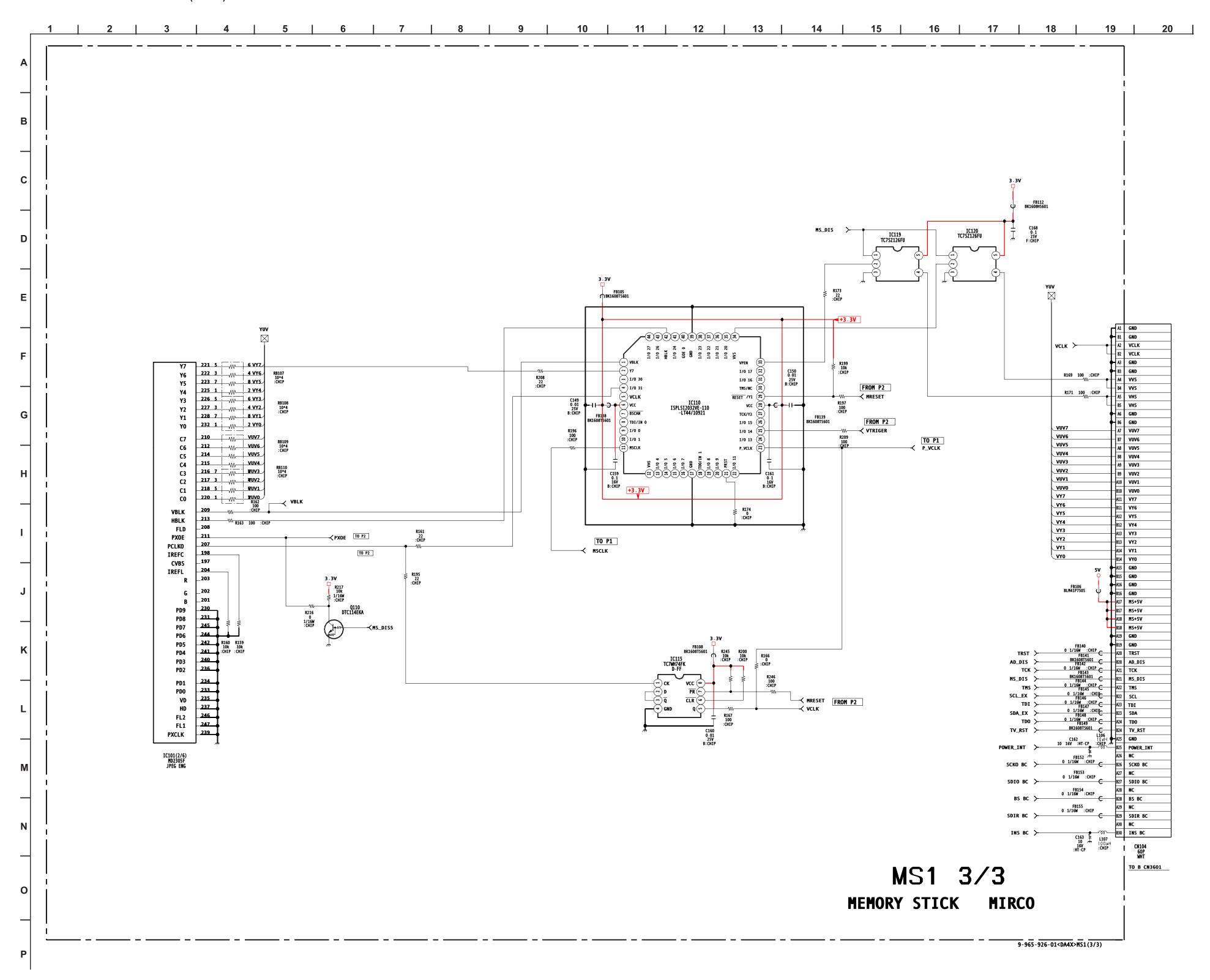


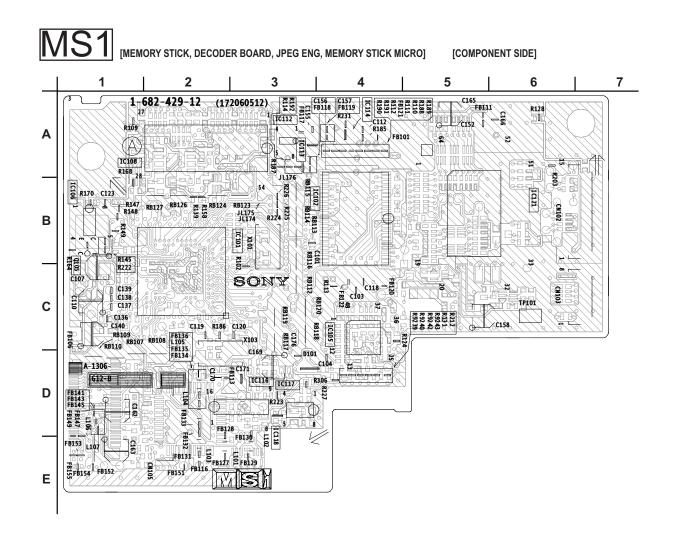


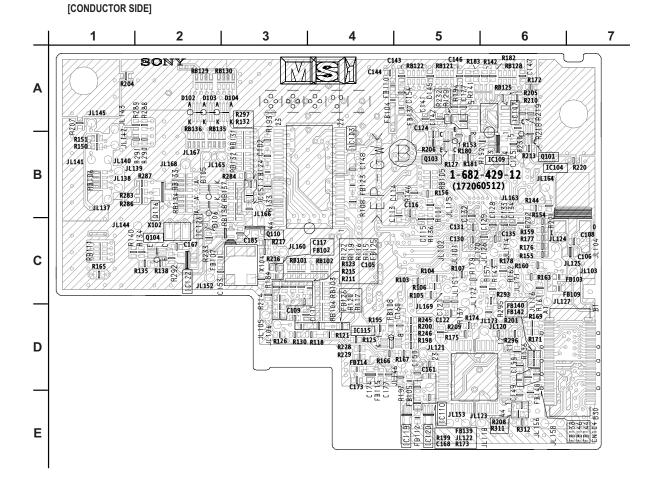




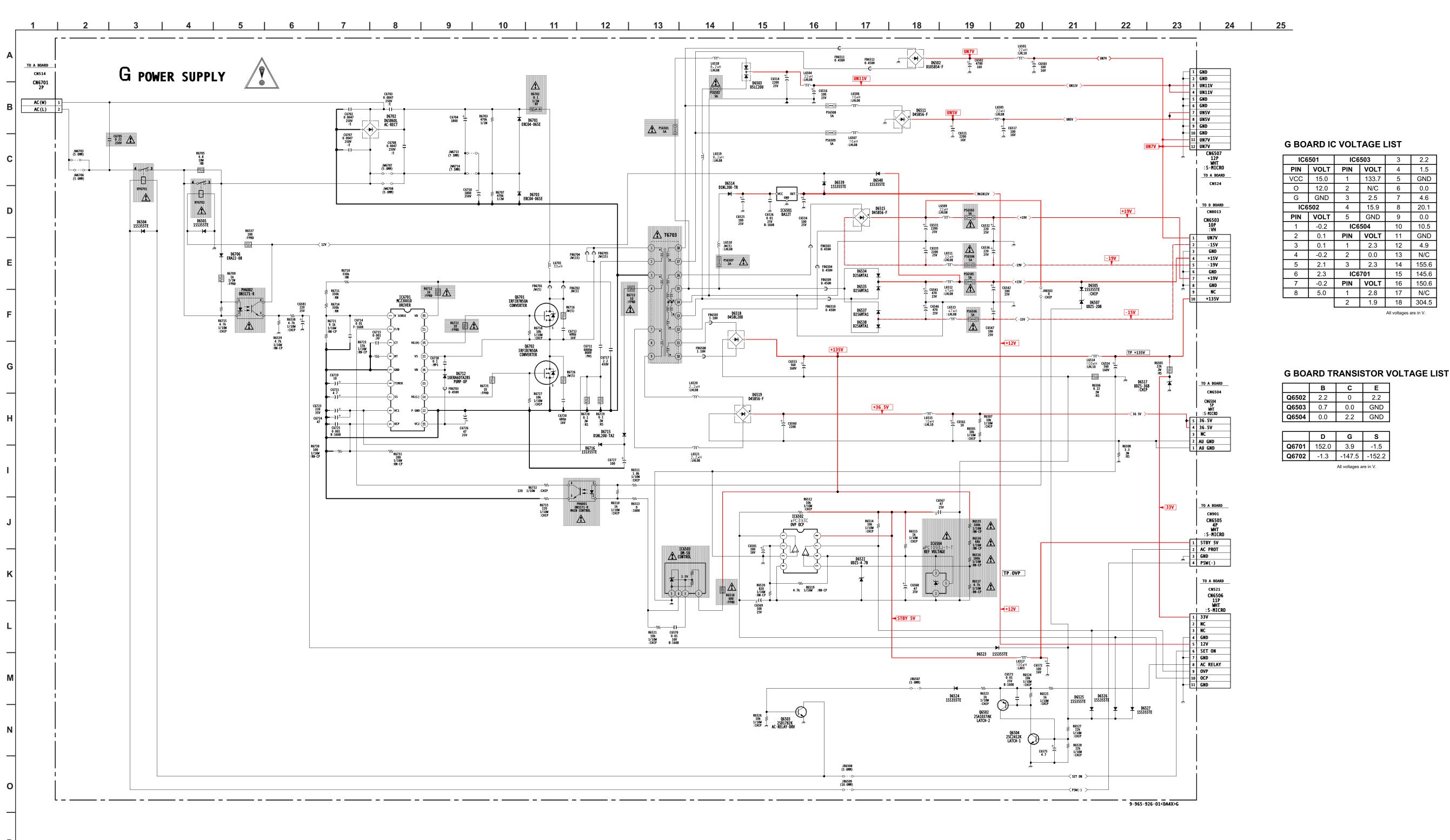


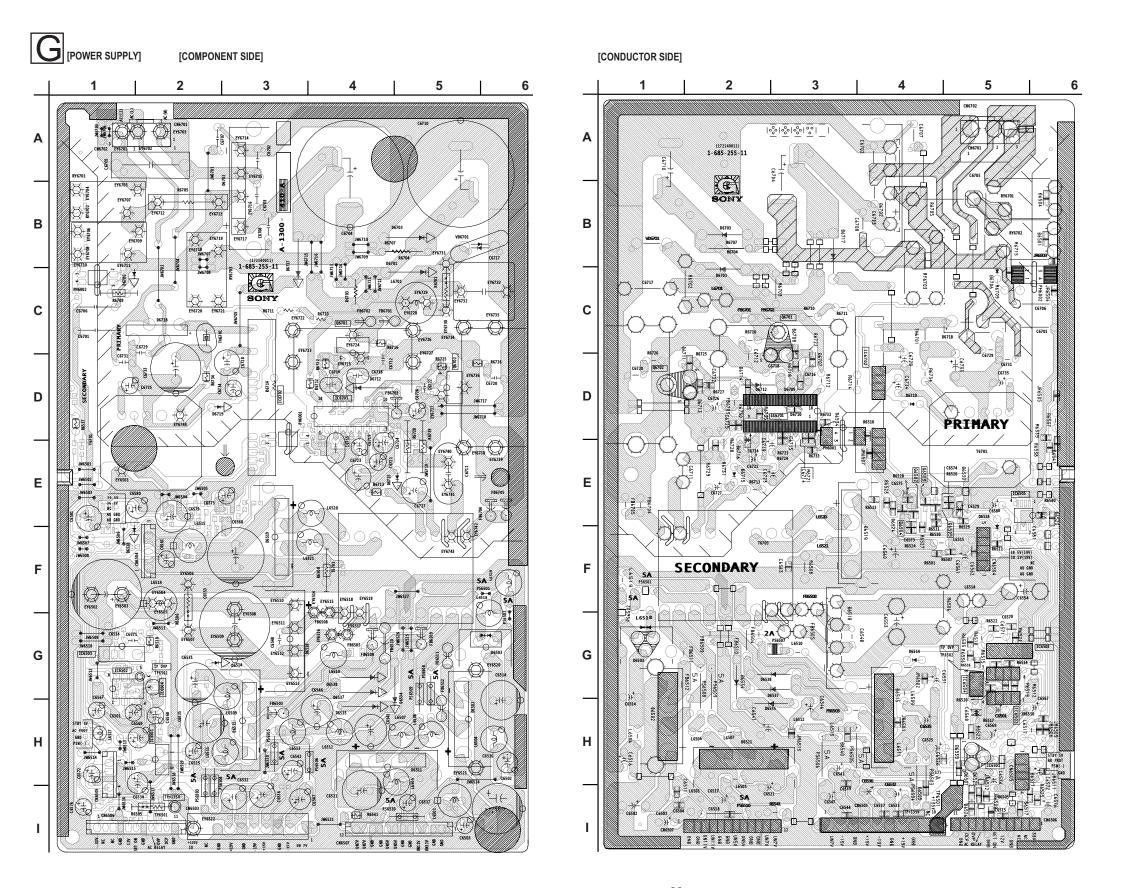






All voltages are in V.





G BOARD

G BOARD				
LOCATOR LIST				
IC				
IC6501	H-5			
IC6502	H-5			
IC6503	G-6			
IC6504	G-5			
IC6701	D-3			
TRANSI	STOR			
Q6502	E-4			
Q6503	E-4			
Q6504	E-4			
Q6701	C-3			
Q6702	D-1			
DIO	DE			
D6501	B-6			
D6502	H-1			
D6503	G-1			
D6504	B-6			
D6505	I-4			
D6507	H-5			
D6511	H-2			
D6514	G-4			
D6515	G-4			
D6517	I-5			
D6518	F-3			
D6519	E-3			
D6522	H-5			
D6523	F-6			
D6524	E-4			
D6525	H-5			
D6526	I-5			
D6527	H-6			
D6534	G-2			
D6535	G-2			
D6537	G-2			
D6538	G-2			
D6539	H-4			
D6540	H-3			
D6701	C-2			
D6702	B-4			
D6703	B-2			
D6706	B-5			
D6712	D-2			
D6715	E-2			
D6716	E-2			

2.1 Vp-p (V)

2.3 Vp-p (V)

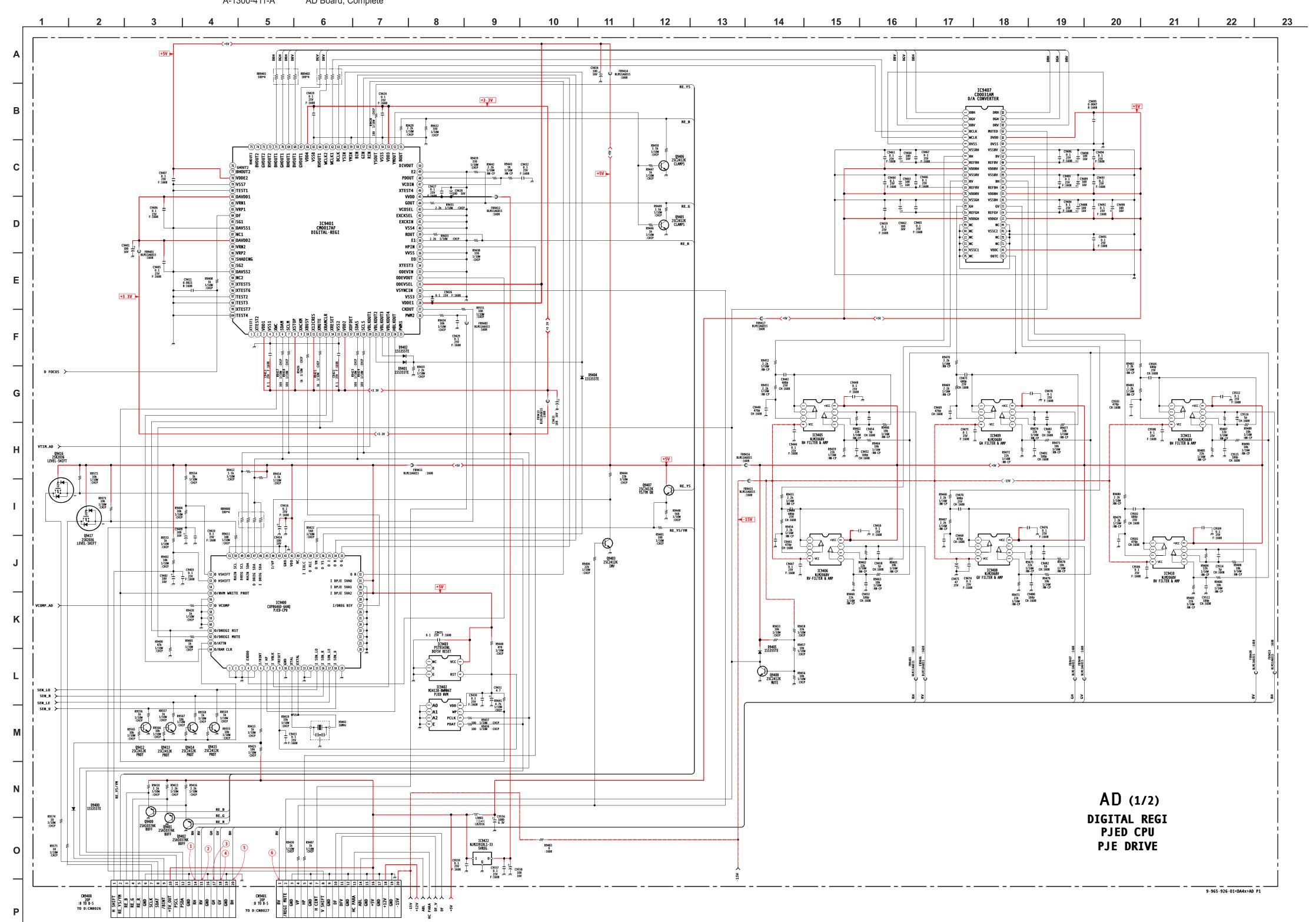
AD BOARD WAVEFORMS

2.3 Vp-p (V)

2.0 Vp-p (V)

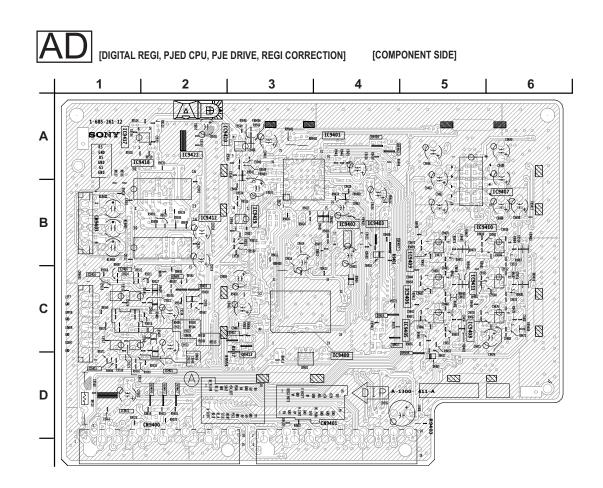
2.1 Vp-p (V)

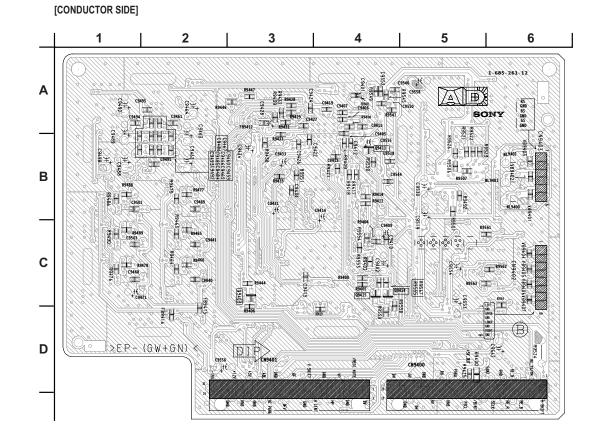
2.5 Vp-p (V)

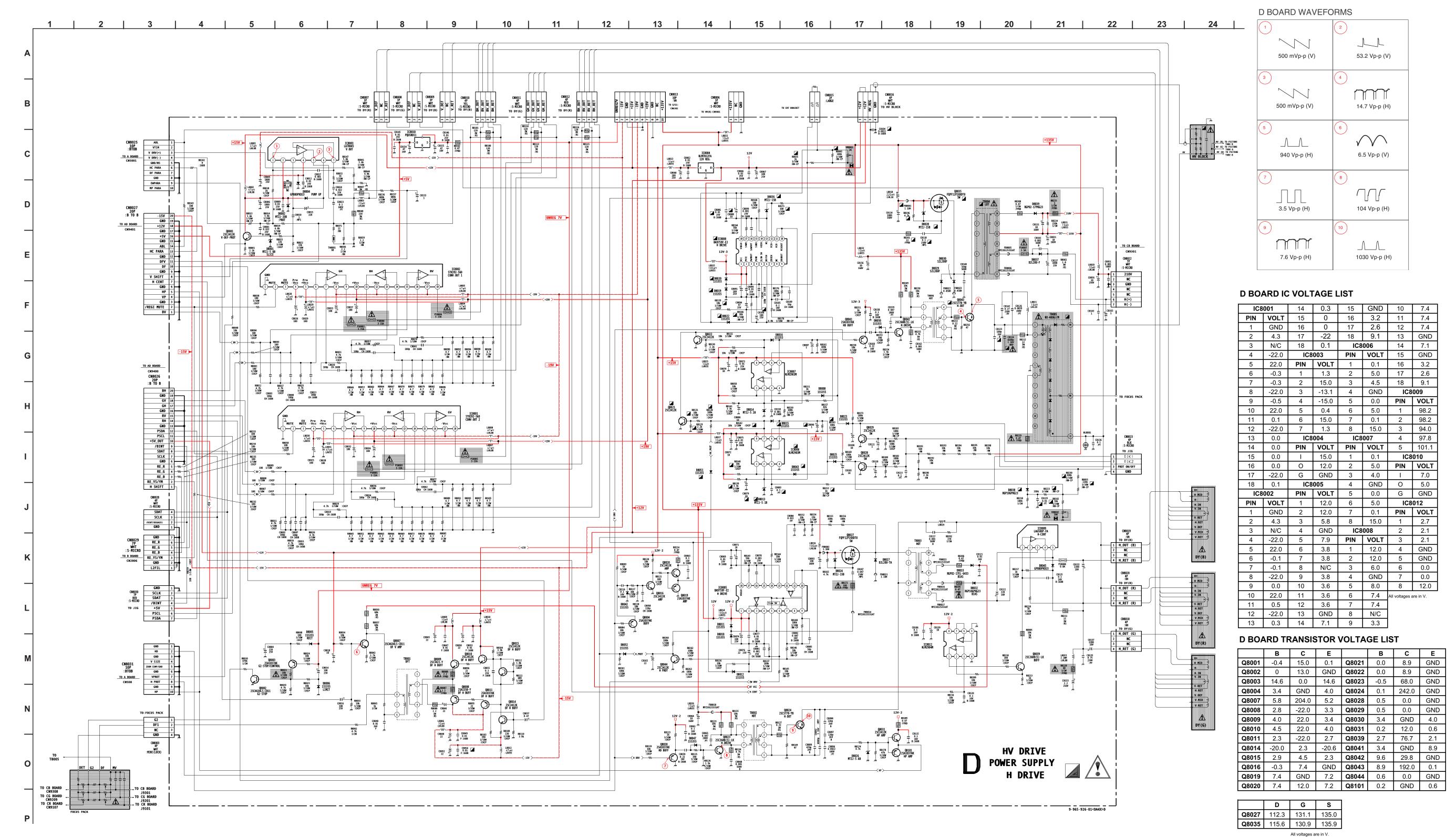


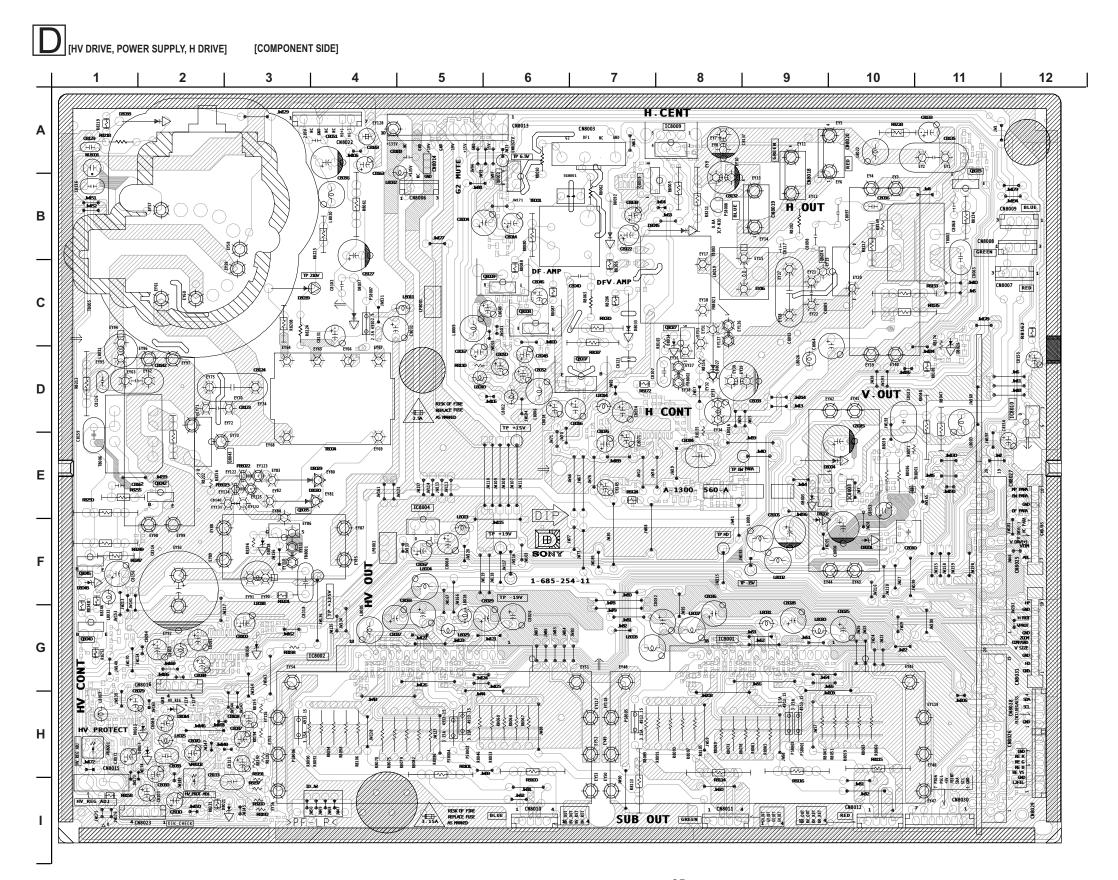
AD BOARD SCHEMATIC DIAGRAM (2 OF 2) 11 12 13 | Α C3546 0.1 1.25V F:1608 **AD** (2/2) **REGI CORRECTION** CS548 1009 CH:1008 82540 1109 CH:1008 82540 1100 8 8.32 17100 8 8.32 17100 180-C7 18 В С CH9402 87 15-RICRO TO SR: CM9901 LEFT GMD UPPER GMD LOWER GMD RIGHT GND R9550 22k 1/10w 1/10w 1/10w 1/10w 1/10w 1/10w 1/10w 25C2412K 5M C9543 0.1 25V F:1608 D UDZS-5.1B D **-15V** VD9405 7.5V :CHIP C9542 0.1 25V F:1608 +12V C9541 D9407 0.1 DDZ5-5.1B VD9407 7.5V :CHIP F R9502 R9503 4.7k 100k 1/10W 1/10W :CHIP 77 :CHIP C9540 0.1 25V F:1608 D9406 UDZS-5.1B C9553 + C9554 47 25V T 47 25V G 9-965-926-01<DA4x>AD P2

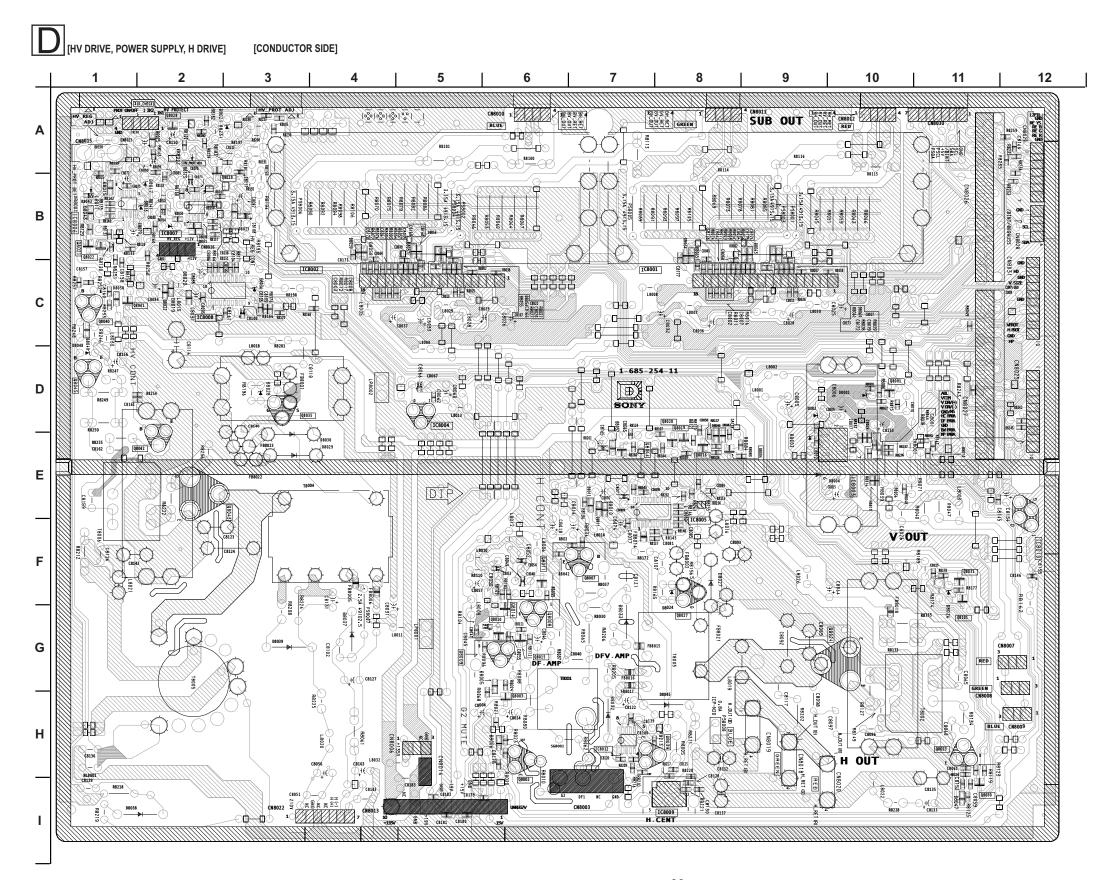
KP-57WV600/57WV700/ 65WV600/65WV700



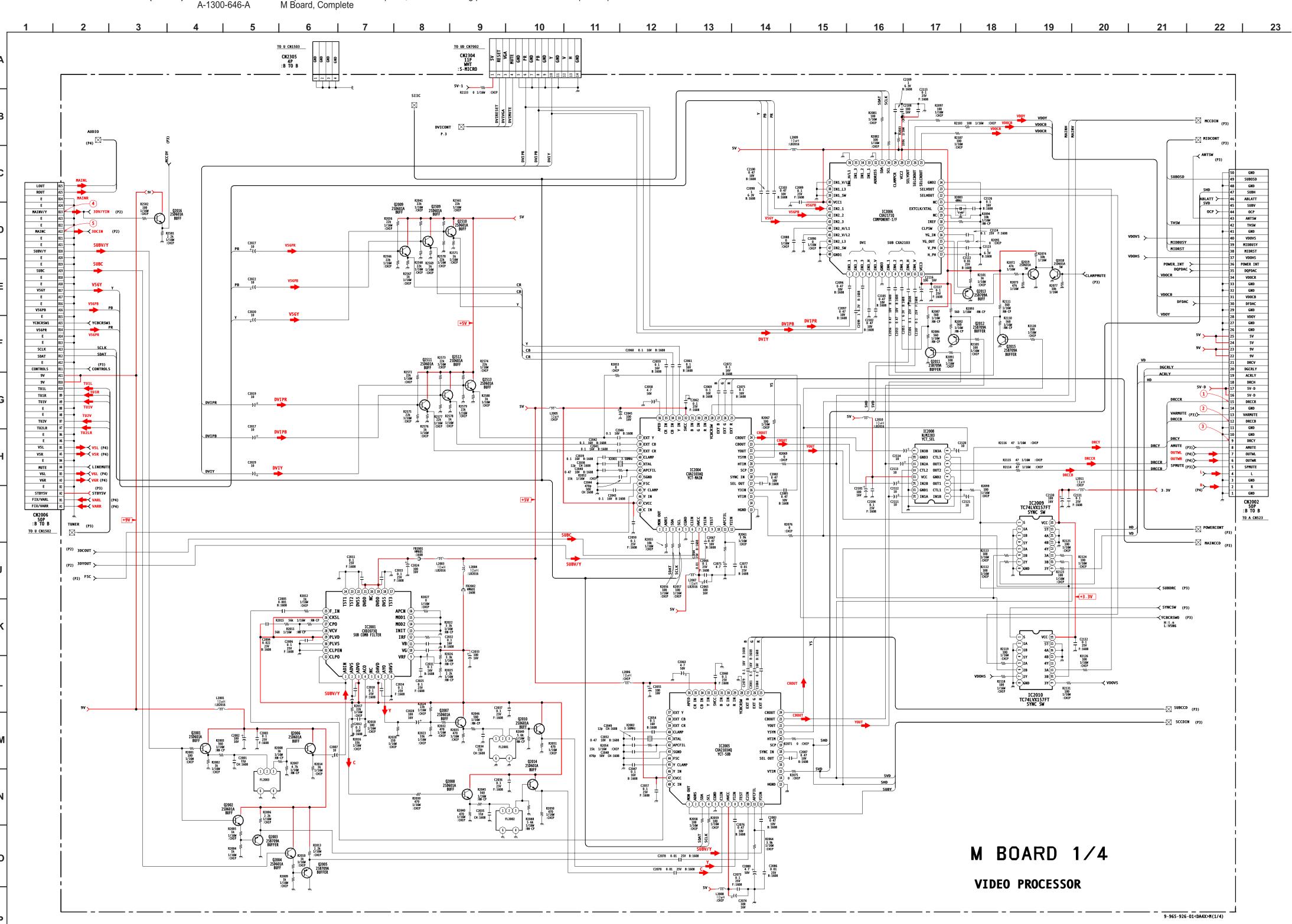


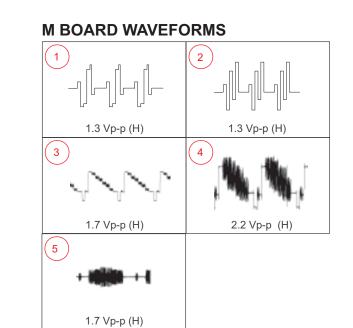


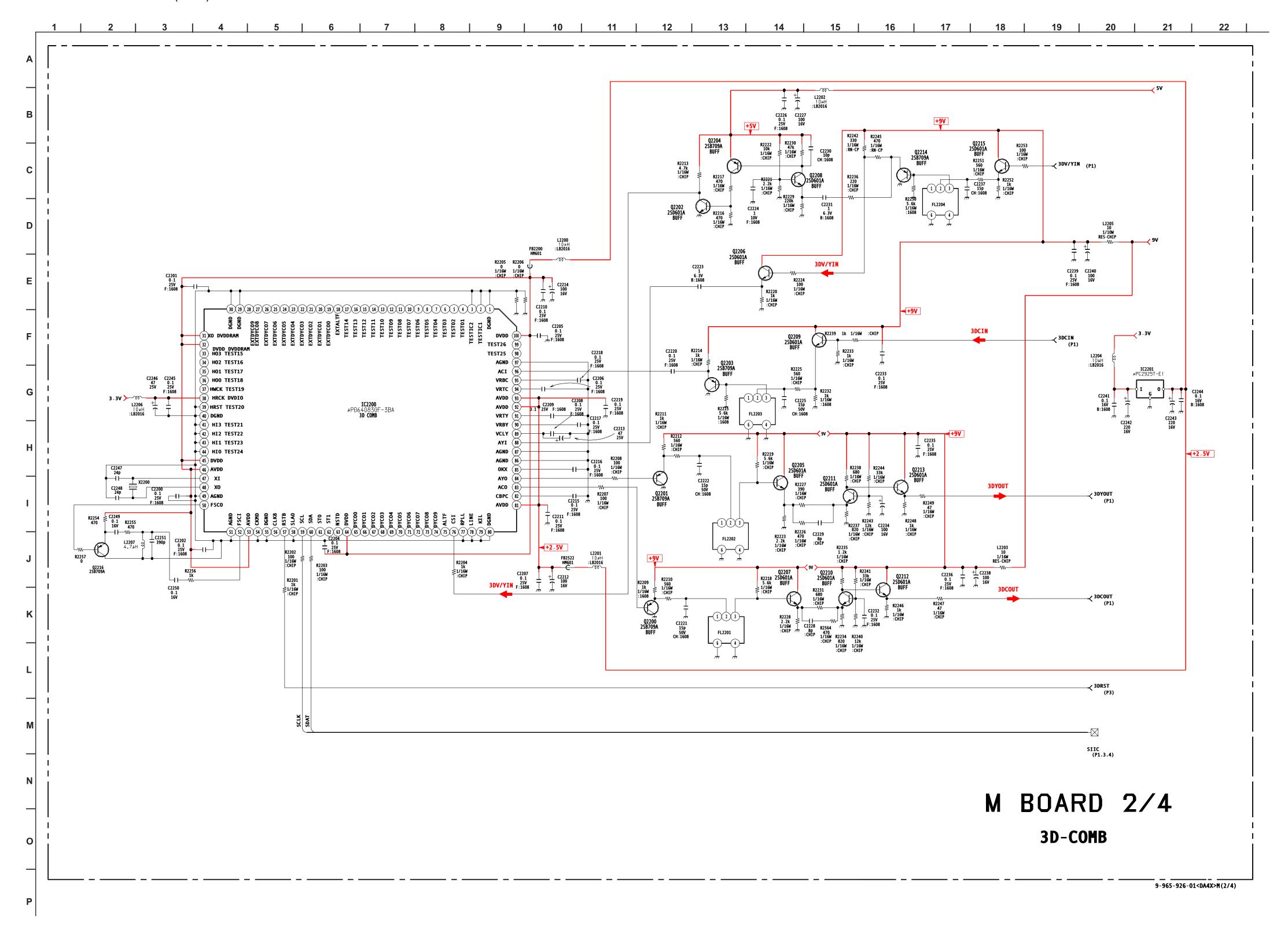


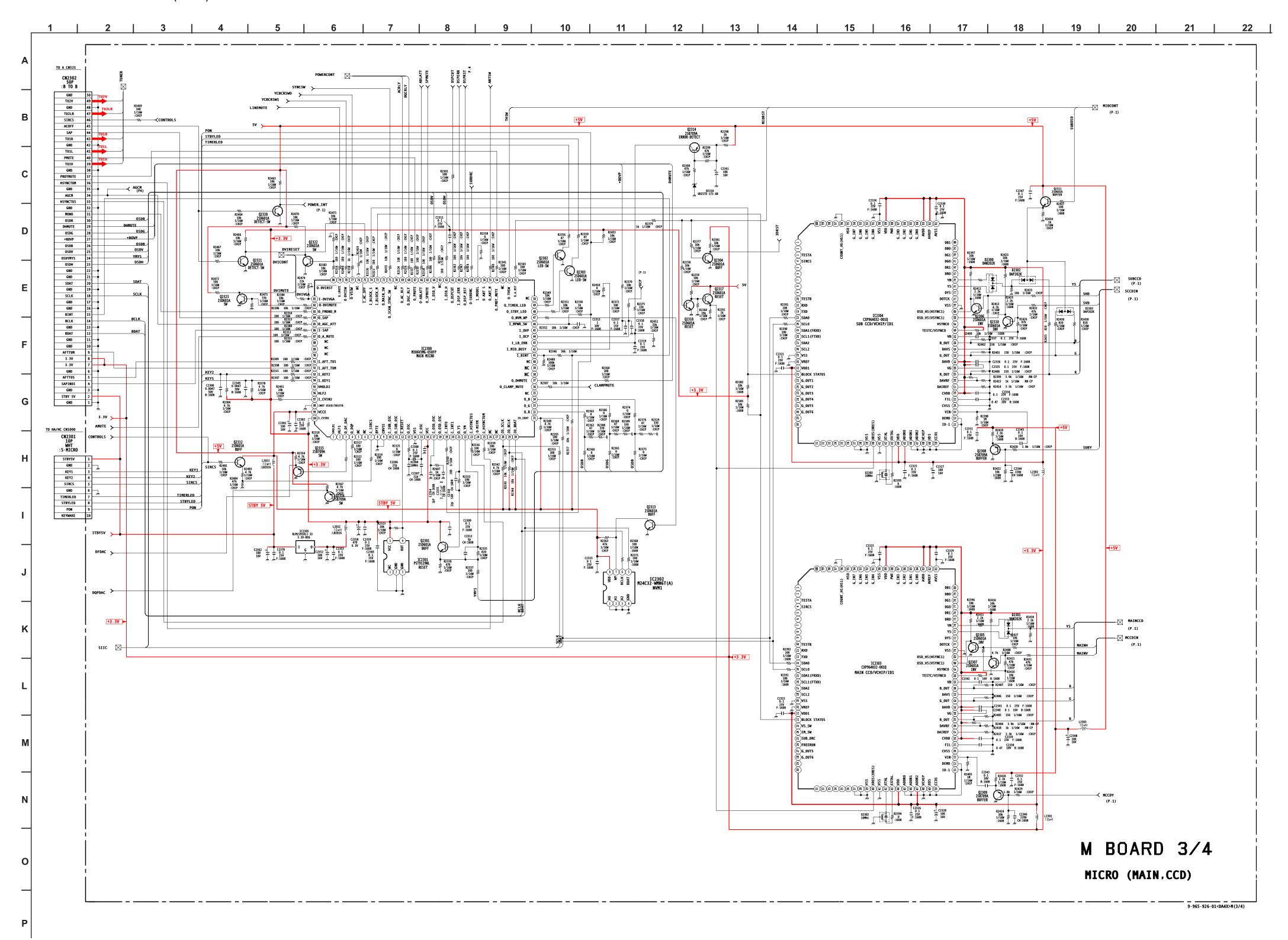


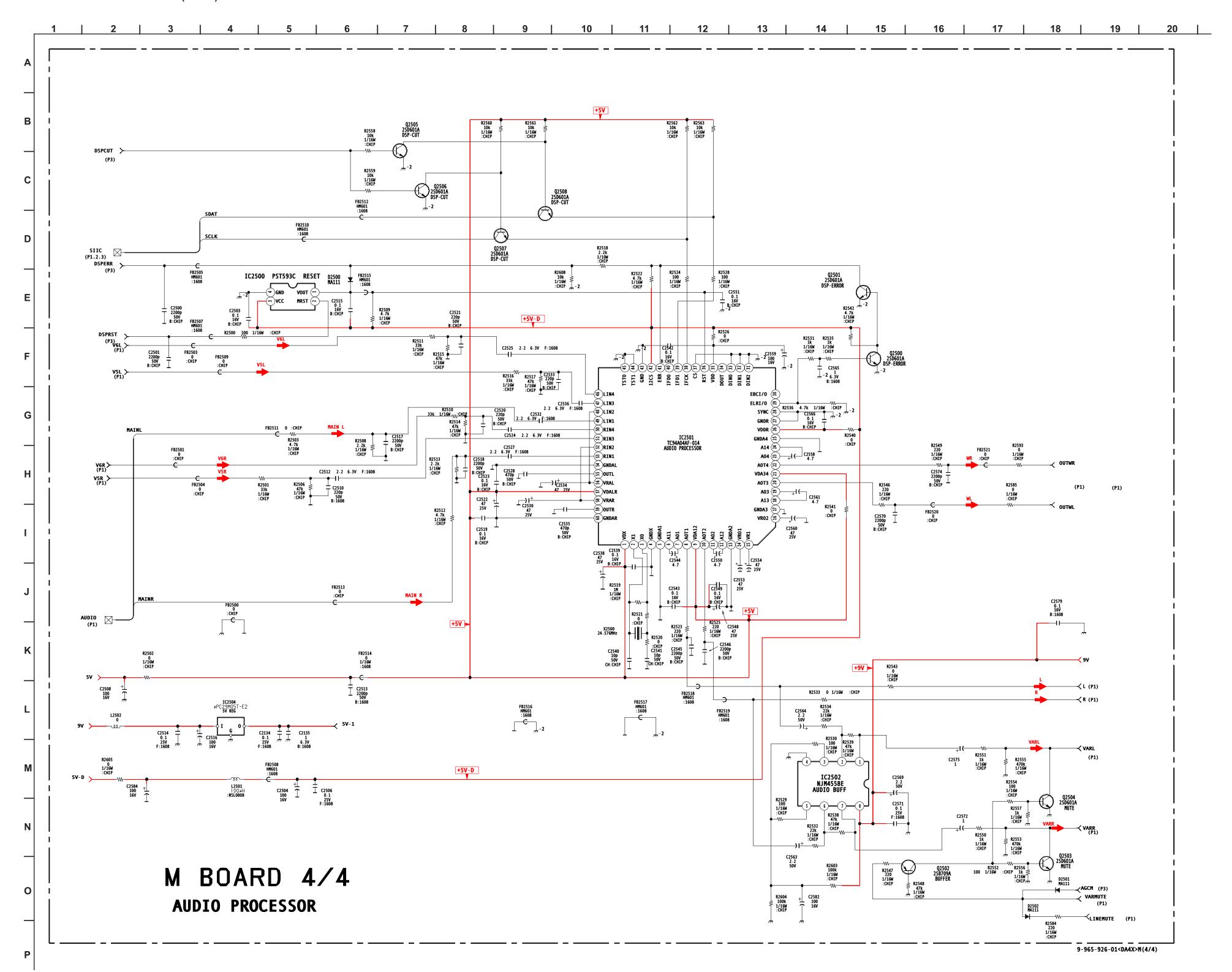
D BOARD LOCATOR LIST				
ı	С	DIC	DDE	
IC8001	C-7	D8001	D-10	
IC8002	C-3	D8002	D-9	
IC8003	E-10	D8003	D-9	
IC8004	D-5	D8004	E-9	
IC8005	F-8	D8005	H-5	
IC8006	B-1	D8006	H-6	
IC8007	B-2	D8008	B-2	
IC8008	C-2	D8010	E-7	
IC8009	I-8	D8011	E-7	
IC8010	F-12	D8012	E-7	
IC8012	H-7	D8013	B-2	
TRANS	ISTOR	D8014	B-2	
Q8001	D-10	D8015	B-1	
Q8002	H-6	D8016	B-3	
Q8003	G-6	D8019	C-2	
Q8004	E-9	D8020	C-2	
Q8007	F-7	D8022	C-2	
Q8008	G-6	D8023	B-3	
Q8009	G-5	D8024	G-7	
Q8010	G-6	D8025	A-2	
Q8011	F-6	D8026	G-11	
Q8014	G-6	D8027	F-8	
Q8015	G-6	D8028	D-3	
Q8016	E-8	D8029	E-3	
Q8019	D-8	D8030	E-3	
Q8020	D-8	D8032	H-7	
Q8021	B-1	D8033	G-7	
Q8022	B-1	D8036	C-3	
Q8023	H-11	D8037	G-4	
Q8024	G-10	D8038	I-2	
Q8027	F-8	D8039	G-3	
Q8028	A-2	D8042	D-8	
Q8029	B-3	D8043	B-1	
Q8030	I-11	D8045 H-8		
Q8031	F-11	D8047 I-11		
Q8035	D-3	D8050	C-1	
Q8039	H-8	D8051	B-2	
Q8041	C-2	D8052	D-7	
Q8042	E-2			
Q8043	E-3			
Q8044	E-8			
Q8101	G-11			

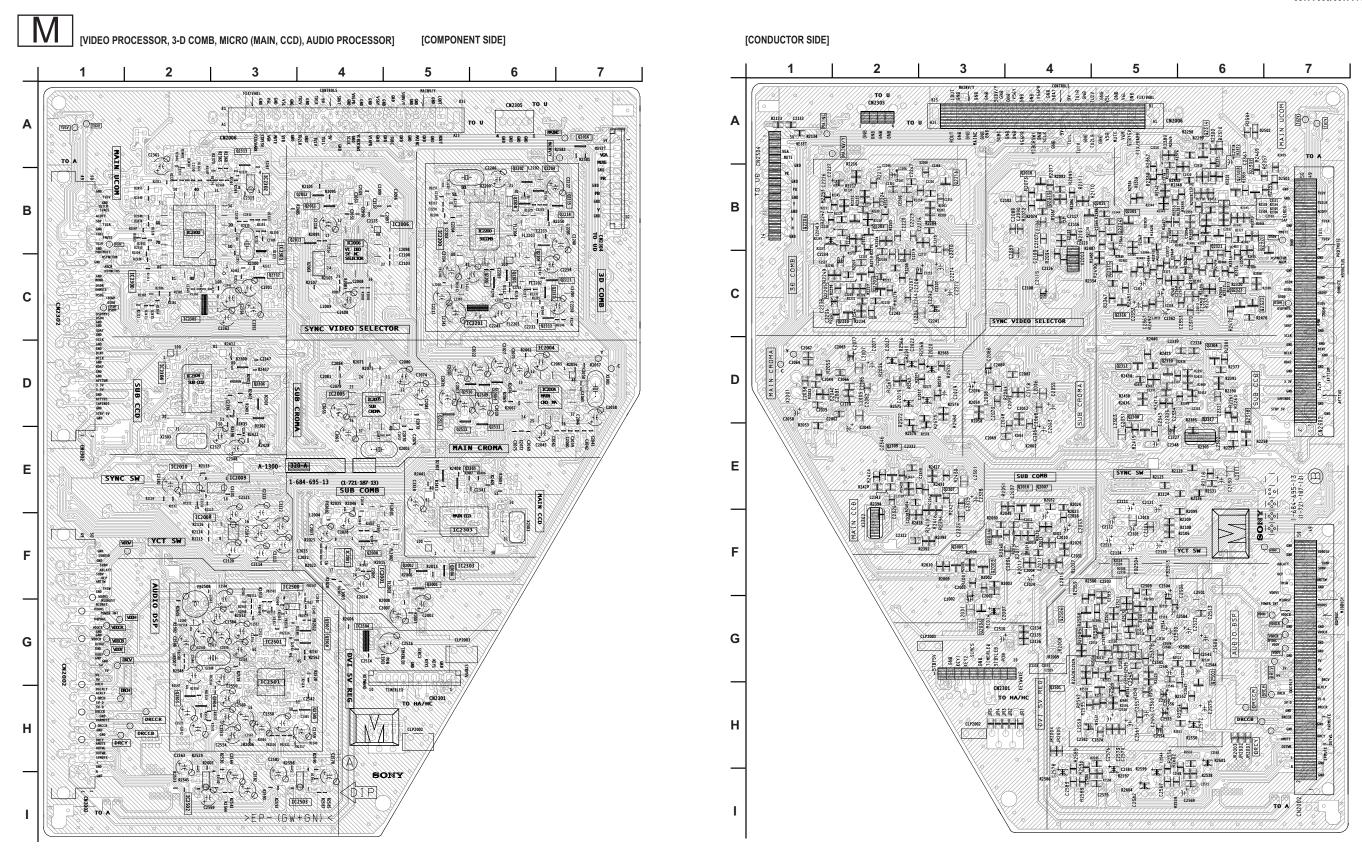




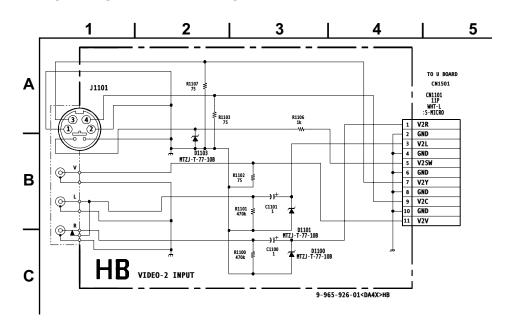




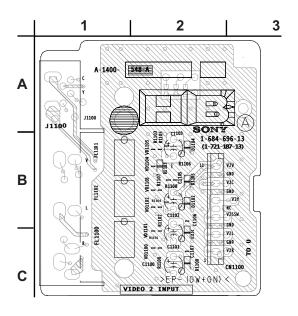




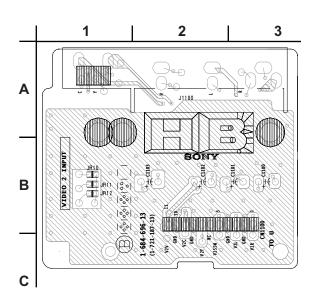
HB BOARD SCHEMATIC DIAGRAM







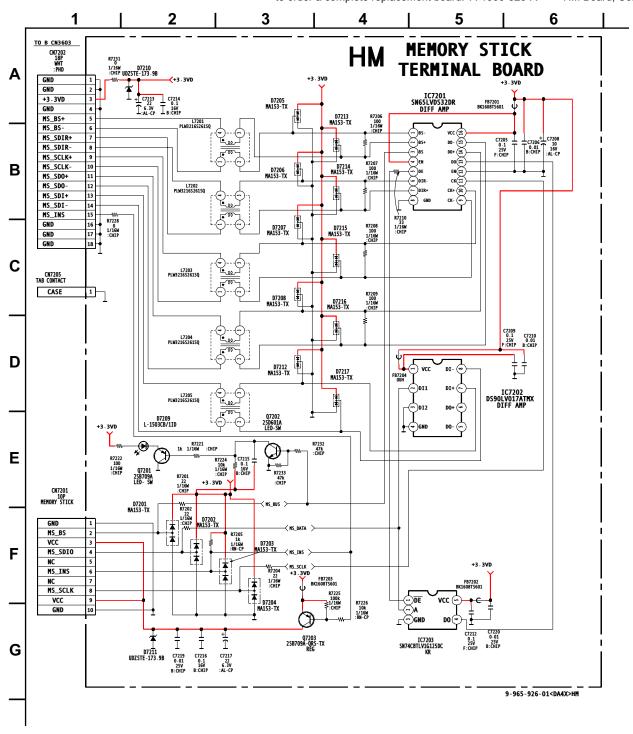
CONDUCTOR SIDE



HM BOARD SCHEMATIC DIAGRAM

The HM board is not field repairable. If service is required, use the following part number to order a complete replacement board. A-1300-323-A

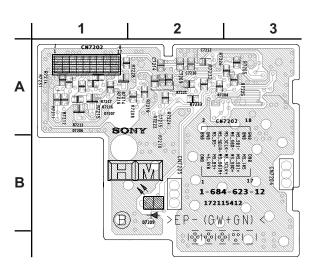
HM Board, Complete



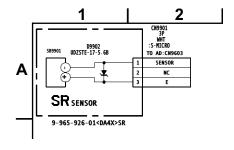


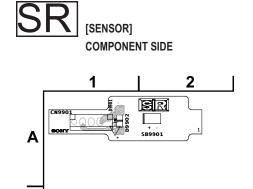
3 CN7202 A В

CONDUCTOR SIDE

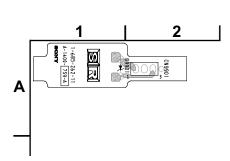


SR BOARD SCHEMATIC DIAGRAM The SR board is not field repairable. If service is required, use the following part number to order a complete replacement board. A-1400-759-A SR Board, Complete

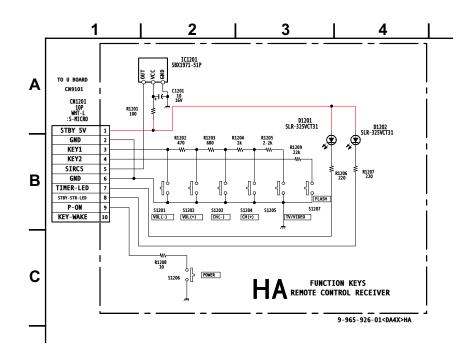




CONDUCTOR SIDE



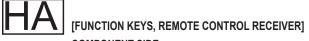
HA BOARD SCHEMATIC DIAGRAM

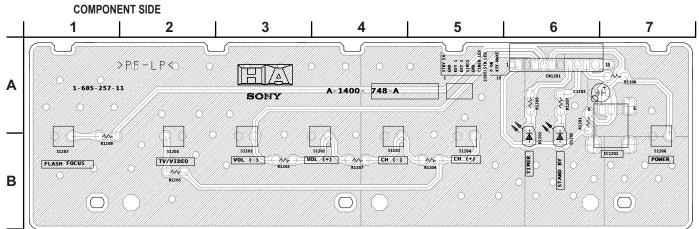


HA BOARD IC VOLTAGE TABLE

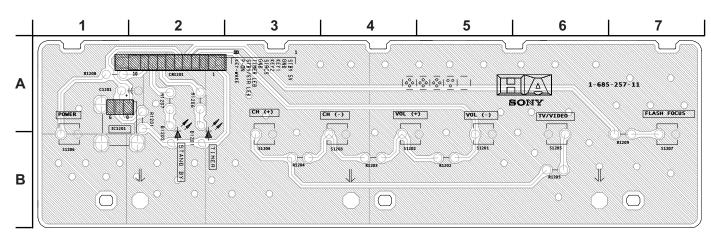
IC12001				
PIN VOLT				
1	5.0			
2	5.0			
3	GND			

All voltages are in V.





CONDUCTOR SIDE

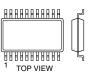


5-5. SEMICONDUCTORS

AN77L12-TA NJM78L12A-T3 NJM79L05A NJM79L05A-T3

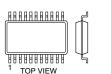


BA9759F-E2



18pin SOP

CD0031AM



48pin SOP

CM0017AF



CXA1726AM CXA1726AM-T6



30pin SOP

CXA2103Q CXA2151Q



CXA2069Q CXA2150AQ



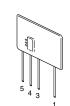
CXD2073Q-T4



CXP961064-001Q M306V2ME-154FP uPD64082GF-3BA



DM-58



LA6500-FA LA6500P-FA



LA78045 TDA2052



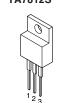
MAX4450EUK-TG069



MCZ3001D



MC7805CT MC7812CT NJM7805FA NJM7812FA PQ09RF21 TA7805S **TA7812S**



MM1476AF(TP)



MSM514265C-60JS μPD424210LE-60-E2

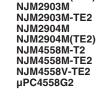


TOP VIEW 40pin DIP



M24C04-WMN6T(A) M24C32-WMN6T(A) NJM2068V-TE2 NJM2521M(TE2)





AAAAAAAAAA

M52055FP

TC74HCT157AF

RARRARARA

HERRERARES OF THE STREET

TOP VIEW

16pin SOP

NJM2391DL1-33-TEI

TC74HCT157AF(EL)

TC74LVX157FT(EL)

TOP VIEW 8pin SOP



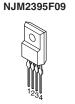
n=18pin

TDA6120Q/N2/S1



n=13pin

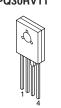
NJM2395AF05



NJW1106FC2



PQ30RV11



TDA7312



μPC1093J-1-T





SBX1971-51P

PST9143NL

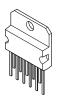


STK392-560

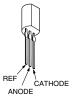




TDA7265







µPC393C



IRFIB7N50A-LF31



1MB12-140-F153A 2SA2005 2SC4634LS-CB11



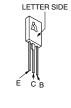
2SA1037AK-T146-QR 2SA1037AK-T146-R 2SA1226 2SA1226-T1E3E4 2SB709A-QRS-TX 2SC1623-L5L6 2SC2412K-T-146-QR 2SD601A-Q 2SD601A-QRS-TX



2SA1358-Y 2SC3421-Y



2SC2688(5)-LK



2SC5681-YB

DTZ10B

MA111-TX

UDZ-TE-17- 8.2B

UDZ-TE-17-7.5B

UDZS-TE17-12B

UDZS-TE17-22B

UDZS-TE17-33B

UDZSTE-1710B

UDZSTE-1720B

UDZSTE-175.1B

UDZSTE-175.6B

UDZSTE-177.5B

UDZSTE-178.2B

CATHODE

1SS355TE-17

D1NL20U

D2L20U

EL1Z ERA22-08

GP08D GP08DPKG23

S2L40F

15583

1SS83TD

D10SC6M

D10SC6MR

D2L20U-TA

D1NL20U-TA2

ERA22-08TP3

MTZJ-T-77-18B

MTZJ-T-77-22B

MTZJ-T-77-5.6B

RGP02-17EL-6433

CATHODE

ANODE

RGP02-17PKG23

RGP10GPKG23

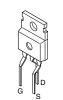
10ERA60-TP



2SD2144S-TP-V 2SD2144S-V



2SJ585LS-CC11



2SK2876-01MR-F122



2SK3018-T106



DAN202K DAN202K-T-146



DAP202K DAP202K-T-146



D2L20U-F ERC04-06SE



D2SB60A-F04 D4SBS4-F D6SB60LF

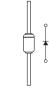




D25SC6MRF04

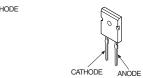


ERD07-15L



FCQ30A04





FMQ-G5FMS

MTZJ-T-77-15B MTZJ-T-77-20B MTZJ-T-77-5.1B

RD15ES-B2 RD18ES-B2

RD20ES-B2

RD5.1ESB2

RD5.6ESB2

1SS133T-77

CATHODE

ANODE

PG124S15



D25SC6MF04





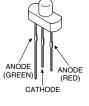
SLR-325VCT31

PC123F2

PC123FY2



SPR-325MVW



SECTION 6: EXPLODED VIEWS

Components not identified by a part number or description are not stocked because they are seldom required for routine service.

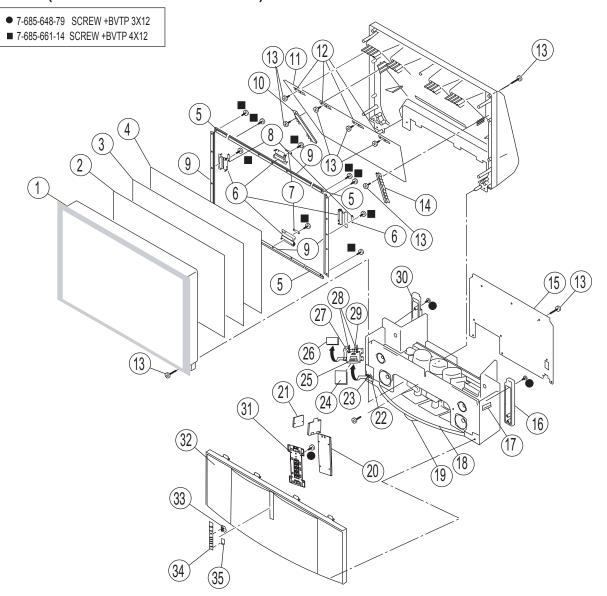
The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram.

* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by shading and 🗥 mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-1. COVER (KP-57WV600/57WV700 0NLY)



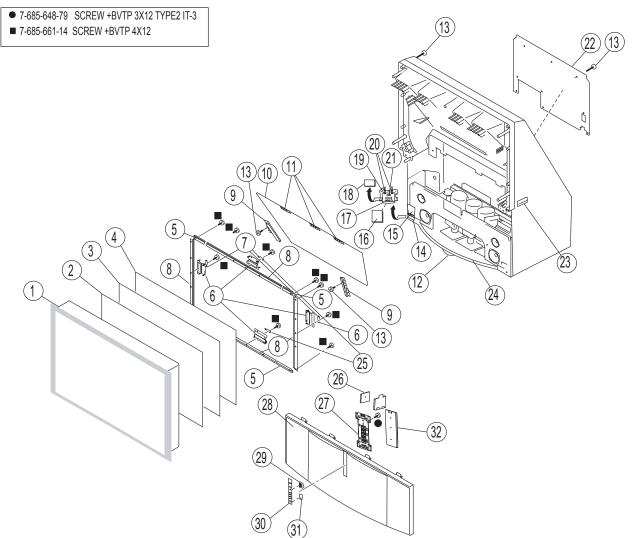
KP-57WV600/57WV700/ 65WV600/65WV700

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
1	X-4040-450-1	BEZNET ASSY	18	4-088-631-01	SKIRT, FRONT
		KP-57WV600 ONLY			KP-57WV600 ONLY
1	X-4040-448-1	BEZNET ASSY	18	4-088-603-01	SKIRT, FRONT
		KP-57WV700 ONLY			KP-57WV700 ONLY
2	A-1603-725-A	CONTRAST SCREEN ASSY	19	4-075-020-01	FOOT, PLASTIC
		KP-57WV600 ONLY	20	* A-1400-748-A	HA MOUNT
2	A-1603-723-A	CONTRAST SCREEN ASSY			
		KP-57WV700 ONLY	21	* A-1300-323-A	HM COMPLETE PC BOARD
3	4-088-638-11	PLATE, DIFFUSION (WL)	22	4-088-572-01	LABEL, INPUT TERMINAL
		KP-57WV600 ONLY	23	4-088-569-01	BRACKET, INPUT TERMINAL
		0	24	4-088-571-01	PLATE, INPUT TERMINAL
3	4-088-611-11	PLATE, DIFFUSION (WL)	25	3-973-975-41	DAMPER, OIL
	1 000 011 11	KP-57WV700 ONLY		0 010 010 11	Drum Ett, Ole
4	4-088-637-11	PLATE, DIFFUSION (WF)	26	* A-1400-747-A	HB MOUNT
7	1 000 007 11	KP-57WV600 ONLY	27	4-088-570-01	COVER, INPUT TERMINAL
4	4-088-610-11	PLATE, DIFFUSION (WF)	28	4-088-573-01	SPRING
7	4 000 010 11	KP-57WV700 ONLY	29	4-047-464-01	CATCHER, PUSH
5 *	4-089-180-01	HOLDER, SCREEN SHORT	29	1-01/-101-0 1	OATONER, TOOM
6 *	A-1400-759-A	SR MOUNT	30	* 4-088-629-01	PANEL L, SIDE
O	A-1400-133-A	OK WOON		7-000-023-01	KP-57WV600 ONLY
7	4-088-460-21	CUSHION, SCREEN	30	* 4-088-606-01	PANEL (L), SIDE
8	4-088-460-31	CUSHION, SCREEN] 30	4-000-000-01	KP-57WV700 ONLY
9 *	4-088-461-01	HOLDER, SCREEN	31	4-088-622-01	BUTTON
10 *	4-088-600-01	HOLDER (L), MIRROR]	4-000-022-01	KP-57WV600 ONLY
11	4-088-598-01	MIRROR	31	4-088-585-01	BUTTON
11	4-000-330-01	WIINTON	31	4-000-303-01	KP-57WV700 0NLY
12 *	4-081-501-01	HOLDER, MIRROR			NT-577VV700 UNLI
13	4-081-063-01	SCREW,DOME WASHER HEX TAP 4X20	32	X-4040-323-1	GRILLE ASSY, SPEAKER
14 *	4-088-601-01	HOLDER (R), MIRROR	32	A-4040-323-1	KP-57WV600 ONLY
15 *	4-088-115-01	BOARD, REAR	32	X-4040-326-1	GRILLE ASSY, SPEAKER
10	4-000-113-01	KP-57WV600 ONLY	32	A-4040-320-1	KP-57WV700 ONLY
15 *	4-091-605-01	BOARD, REAR	33	4-088-588-01	GUIDE, LED
10	4-091-000-01	KP-57WV700 ONLY	33	4-000-300-01	GOIDE, LED
		KF-37WV700 ONLI	34	4-088-621-01	PANEL, CONTROL
16 *	4-088-630-01	PANEL R, SIDE] 34	4-000-021-01	KP-57WV600 ONLY
10	4-000-030-01		34	4 000 E04 04	
16 *	4 000 607 04	KP-57WV600 ONLY	34	4-088-584-01	PANEL, CONTROL KP-57WV700 0NLY
16 *	4-088-607-01	PANEL (R), SIDE KP-57WV700 ONLY	35	4-088-586-01	GUIDE, LED
17 *	4 000 E41 04		30	4-000-300-01	GUIDE, LED
17 *	4-088-541-01	HANDLE			
			•		

NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

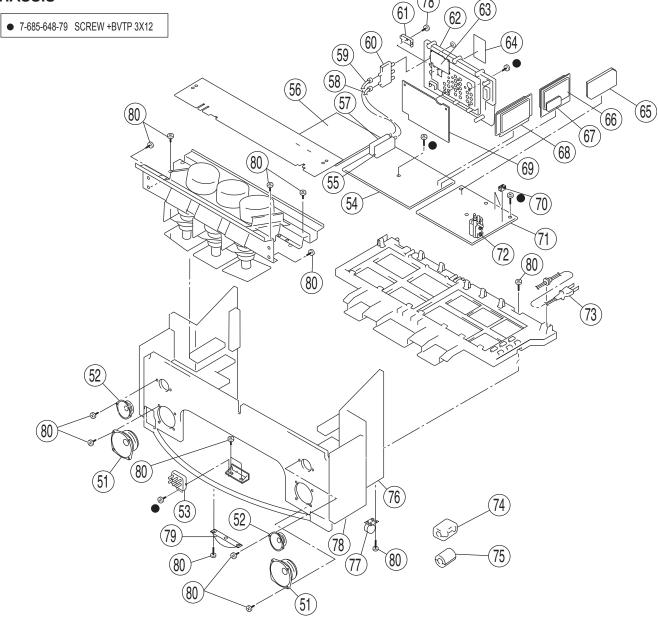
6-2. COVER (KP-65WV600/65WV700 0NLY)



REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
1	X-4040-449-1	BEZNET ASSY	17	3-973-975-41	DAMPER, OIL
		KP-65WV600 ONLY	18	* A-1400-747-A	HB MOUNT
1	X-4040-447-1	BEZNET ASSY	19	4-088-570-01	COVER, INPUT TERMINAL
		KP-65WV700 ONLY	20	4-088-573-01	SPRING
2	A-1603-724-A	CONTRAST SCREEN ASSY	21	4-047-464-01	CATCHER, PUSH
		KP-65WV600 ONLY			
2	A-1603-722-A	CONTRAST SCREEN ASSY	22	* 4-088-575-01	BOARD, REAR
		KP-65WV700 ONLY	23	* 4-088-541-01	HANDLE
3	4-088-627-11	PLATE, DIFFUSION (WL)	24	4-088-620-01	SKIRT, FRONT
		KP-65WV600 ONLY			KP-65WV600 ONLY
3	4-088-594-11	PLATE, DIFFUSION (WL)	24	4-088-574-01	SKIRT, FRONT
		KP-65WV700 ONLY			KP-65WV700 ONLY
4	4-088-626-11	PLATE, DIFFUSION (WF)	25	4-088-460-01	CUSHION, SCREEN
		KP-65WV600 ONLY	26	* A-1300-323-A	HM COMPLETE PC BOARD
4	4-088-596-11	PLATE, DIFFUSION (WF)	27	4-088-622-01	BUTTON
		KP-65WV700 ONLY			KP-65WV600 ONLY
5 *	4-089-179-01	HOLDER, SCREEN SHORT	27	4-088-585-01	BUTTON
6 *	A-1400-759-A	SR MOUNT			KP-65WV700 0NLY
7	4-088-460-11	CUSHION, SCREEN	28	X-4040-321-1	GRILLE ASSY, SPEAKER
8 *	4-088-461-01	HOLDER, SCREEN			KP-65WV600 ONLY
9	4-088-579-01	HOLDER, MIRROR SLIDE	28	X-4040-325-1	GRILLE ASSY, SPEAKER
10 *	4-088-577-01	MIRROR			KP-65WV700 ONLY
11 *	4-088-580-01	HOLDER, MIRROR BASE	29	4-088-588-01	GUIDE, LED
			30	4-088-621-01	PANEL, CONTROL
12	4-075-020-01	FOOT, PLASTIC			KP-65WV600 ONLY
13	4-081-063-01	SCREW, DOME WASHER HEX TAP 4 X 20	30	4-088-584-01	PANEL, CONTROL
14	4-088-572-01	LABEL, INPUT TERMINAL			KP-65WV700 0NLY
15	4-088-569-01	BRACKET, INPUT TERMINAL	31	4-088-586-01	GUIDE, LED
16	4-088-571-01	PLATE, INPUT TERMINAL	32	* A-1400-748-A	HA MOUNT

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

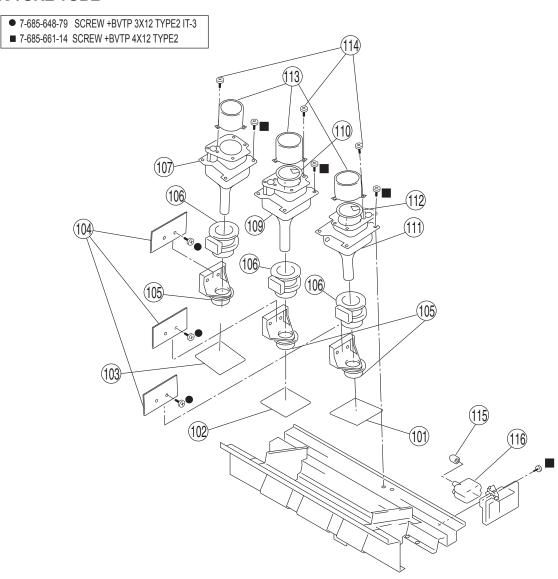
6-3. CHASSIS



REF.NO.	PART NO.	DESCRIPTION		REF.NO.	PART NO.	DESCRIPTION
51 52	1-825-191-11 1-825-200-11	LOUDSPEAKER (13 CM) LOUDSPEAKER (6.6 CM)		70	3-710-578-01	COVER, VOLUME, 6 MOLD
£ 53	1-023-200-11	RESISTOR ASSY (HIGH-VOLTAGE)		71 *	A-1300-560-A	D COMPLETE
54	* A-1300-406-A	A COMPLETE		, ,	71 1000 000 71	The high-voltage leads associated with the FBT on
55	8-598-593-50	TUNER, FSS BTF-WA421				this board are not included and must be ordered
56	* A-1300-410-A	G COMPLETE				separately.
			<u> </u>	72	1-453-285-51	FBT ASSY, NX-4006//X4P4
57	8-598-594-30	TUNER, FSS BTF-FA421	<u> </u>		1-779-095-51	LEAD ASSY, HIGH-VOLTAGE
58	* 1-555-400-00	CABLE, PIN	<u> </u>		1-900-260-40	CONNECTOR ASSY, MV
59	* 1-557-056-31	CABLE, P-P	<u>^</u>	73	1-769-837-11	CORD, POWER(WITH NOISE FILTER)
∆ 60	1-771-787-13	SWITCH, RF ANTENNA				
61	4-069-675-01	CAP, TERMINAL BOARD		74	1-500-082-11	CLAMP, FERRITE
				75	1-469-241-11	CORE, FERRITE
62	4-088-590-01	BOARD, TERMINAL		76	X-4040-459-1	CABINET ASSY
63	* A-1300-324-A	UD COMPLETE PC BOARD				KP-65WV600 ONLY
64	4-088-591-01	LABEL, TERMINAL		76	X-4040-320-1	CABINET ASSY
65	* A-1300-411-A	AD COMPLETE				KP-65WV700 ONLY
66	* A-1300-407-A	B COMPLETE		77	3-184-556-01	CASTER
				78	4-030-850-01	SOCKET, CASTER
67	* A-1300-408-A	MS1 COMPLETE		79	4-075-020-01	FOOT, PLASTIC
68	* A-1300-646-A	M COMPLETE PC BOARD				
69	* A-1300-321-A	U COMPLETE PC BOARD		80	4-081-063-01	SCREW,DOME WASHER HEX TAP 4X20
						KP-57WV600/57WV700 ONLY
			1			

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-4. PICTURE TUBE



KP-57WV600/57WV700/ 65WV600/65WV700

REF.NO.	PART NO.	DESCRIPTION		REF.NO.	PART NO.	DESCRIPTION
101	A-1401-420-A	CB MOUNT (VAR)	<u>^</u>	109	8-733-652-15	CR 07MVC21(G)-L(VM)
		KP-57WV600/57WV700 ONLY				KP-57WV600/65WV600 ONLY
101	A-1401-387-A	CB MOUNT (VAR)	<u>^</u>	109	8-733-667-15	CR 07MVC22(G)-L
		KP-65WV600/65WV700 ONLY				KP-57WV700/65WV700 ONLY
102	A-1401-419-A	CG MOUNT (VAR)		110	4-088-543-01	SHADE (G)
		KP-57WV600/57WV700 ONLY				KP-57WV700/65WV700 ONLY
102	A-1401-386-A	CG MOUNT (VAR)	٨			
		KP-65WV600/65WV700 ONLY	Ţ	111	8-733-648-15	CR 07MVC41(R)-L(VM)
103 *	A-1401-385-A	CD MOUNT (//AD)	٨			KP-57WV600 ONLY
103 *	A-1401-365-A A-1401-589-A	CR MOUNT (VAR) VM MOUNT (VAR)	<u>^</u>	111	8-733-669-15	CR 07MVC42(R)-L
	1-452-790-31	NECK ASSY	Α	444	0.700.000.45	KP-57WV700 ONLY
105 106	1-451-537-22	DEFLECTION YOKE	À	111	8-733-666-15	CR 07MVC61(R)-L KP-65WV600 ONLY
100	1 401 001 22	DEI LEOTION TORL	<u> </u>	111	8-733-664-15	CR 07MVC62(R)-L
107	8-733-647-15	CR 07MVC41(B)-L(VM)	7:1	1111	0-733-004-13	KP-65WV700 ONLY
107	0.000	KP-57WV600 ONLY		112	4-088-542-01	SHADE (R)
107	8-733-668-15	CR 07MVC42(B)-L		112	4 000 042 01	KP-57WV700/65WV700 ONLY
		KP-57WV700 ONLY				14 0777700,0077700 01127
107	8-733-665-15	CR 07MVC61(B)-L		113	4-083-750-01	LENS (DELTA 260)
		KP-65WV600 ONLY				KP-57WV600 ONLY
107	8-733-663-15	CR 07MVC62(B)-L		113	4-087-841-01	LENS (DELTA 265)
		KP-65WV700 ONLY				KP-57WV700/65WV700 ONLY
				113	4-087-842-01	LENS (DELTA 270)
						KP-65WV600 ONLY
				114	4-052-894-01	SCREW (4X20), HEAD TAPPING
				115	4-373-137-01	CAP (Z), RUBBER
			<u>^</u>	116	8-598-955-31	BLOCK ASSY, HV HVB-1031

SECTION 7: ELECTRICAL PARTS LIST

NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components in this manual identified by the following symbol:

indicate parts that have been carefully factory-selected to satisfy regulations regarding X-ray radiation for each set.

Should replacement be required for one of these components, replace only with the value originally used.

RESISTORS

- All resistors are in ohms
- F: nonflammable
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When ordering parts by reference number, please include the board name.

RE	EF. NO.	PART NO.	DESCRIPTION	VALUE	s		REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
	/ B. /						Q9006	8-729-424-02	TRANSISTOR 2SB70	9A-QRS-TX		
	'I\/I						Q9007	8-729-422-27	TRANSISTOR 2SD60	1A-QRS-TX	,	
V	1 V I						Q9008	8-729-424-02	TRANSISTOR 2SB709	9A-QRS-TX		
							Q9009	8-729-422-27	TRANSISTOR 2SD60	1A-QRS-TX		
*		A-1401-589-A	VM BOARD, MOUN	TED (VAR))		Q9010	8-729-424-02	TRANSISTOR 2SB70	9A-QRS-TX		
		4-382-854-11	SCREW (M3X10), P, SV	V (+)			Q9011	8-729-045-05	TRANSISTOR 2SA20	05		
		CAPACITOR					Q9012	8-729-045-04	TRANSISTOR 2SC55	11		
C	9001	1-126-933-11	ELECT	100µF	20%	16V		RESISTOR				
	9002	1-164-156-11	CERAMIC CHIP	0.1µF		25V	D0004	4 040 004 44	OADDON	4	F0/	4 (4)41
	9003	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	R9001	1-249-381-11	CARBON	1	5%	1/4W
	9004	1-107-645-11	ELECT	22µF	20%	160V	R9002	1-216-820-11	RES-CHIP	820	5%	1/10W
	9006	1-161-830-00	CERAMIC	0.0047µF		500V	R9003	1-216-819-11	RES-CHIP	680	5%	1/10W
•	0000	1 101 000 00	0210 0000	0.0017 μ1		0001	R9004	1-216-834-11	RES-CHIP	12K	5%	1/10W
C	9007	1-164-156-11	CERAMIC CHIP	0.1µF		25V	R9005	1-216-839-11	RES-CHIP	33K	5%	1/10W
CS	9008	1-126-964-11	ELECT	10μF	20%	50V	R9006	1-216-811-11	RES-CHIP	150	5%	1/10W
CS	9009	1-107-636-11	ELECT	10μF	20%	160V	R9008	1-216-815-11	RES-CHIP	330	5%	1/10W
	9010	1-137-528-11	MYLAR	0.1µF	10%	250V	R9000				5% 5%	1/10W
	9011	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	R9009 R9010	1-216-813-11	RES-CHIP	220 220	5% 5%	1/10W
								1-216-813-11	RES-CHIP			
CS	9012	1-137-528-11	MYLAR	0.1µF	10%	250V	R9011	1-249-391-11	CARBON	6.8	5%	1/4W
	9013	1-164-156-11	CERAMIC CHIP	0.1µF		25V	D0040	4 040 004 44	CADDON	0.0	E0/	1/4W
	9014	1-117-450-11	MYLAR	0.47µF	10%	250V	R9012 R9013	1-249-391-11	CARBON CARBON	6.8 6.8	5% 5%	1/4VV 1/4W
							R9013	1-249-391-11	CARBON	6.8	5% 5%	1/4VV 1/4W
		CONNECTOR					R9014 R9015	1-249-391-11	CARBON	6.8	5% 5%	1/4VV 1/4W
* (1	N9001	1-564-508-11	PLUG,CONNECTOR		5P			1-249-391-11				
	N9001	1-564-506-11	PLUG,CONNECTOR		3P		R9016	1-249-391-11	CARBON	6.8	5%	1/4W
	N9002	1-770-723-11	CONNECTOR, BOARD	TO BOARD			D0047	4 040 004 44	CADDON	0.0	E0/	4 / 4\ A /
Oi	113003	1-770-725-11	CONNECTON, DOAND	TO DOAIL	01		R9017	1-249-391-11	CARBON CARBON	6.8 6.8	5% 5%	1/4W 1/4W
		FERRITE BEAD					R9018	1-249-391-11				
	20004	4 400 000 04	FEDDITE	0.11			R9019	1-216-848-11	RES-CHIP	180K	5%	1/10W
	B9001	1-469-869-21	FERRITE	0μΗ			R9020	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
FE	B9002	1-469-869-21	FERRITE	0μΗ			R9021	1-216-805-11	RES-CHIP	47	5%	1/10W
		TRANSISTOR					R9022	1-216-805-11	RES-CHIP	47	5%	1/10W
O.	9001	8-729-422-27	TRANSISTOR 2SD601/	A-QRS-TX			R9023	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	9002	8-729-422-27	TRANSISTOR 2SD601/				R9024	1-216-848-11	RES-CHIP	180K	5%	1/10W
	9003	8-729-422-27	TRANSISTOR 2SD601/				R9025	1-215-890-11	METAL OXIDE	470	5%	2W
	9004	8-729-424-02	TRANSISTOR 2SB709/				R9026	1-216-847-11	RES-CHIP	150K	5%	1/10W
	9005	8-729-422-27	TRANSISTOR 2SD601/				R9027	1-216-847-11	RES-CHIP	150K	5%	1/10W
Q,	0000	0 1 LO 1 LL L1	110 11010 1011 20000 17	. 4110 171								

^{*} Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.



REF. NO.	PART NO.	DESCRIPTION	VALUES		REF. NO.	PART NO.	DESCRIPTION	VALUE	s	
						NEON LAMP				
					NL9102	1-517-778-21	LAMP, NEON			
*	A-1401-385-A	CR BOARD, MOUNT	TED (VAR)		NL9103	1-517-778-21	LAMP, NEON			
	4-382-854-11	SCREW (M3X10), P, SV	V (+)			TRANSISTOR				
	CAPACITOR				Q9101 Q9102	8-729-120-28 8-729-028-28	TRANSISTOR 2SC241 TRANSISTOR 2SK203		R	
C9101	1-104-570-11	CERAMIC	0.001µF 10%	2KV	Q9103	8-729-026-49	TRANSISTOR 2SA103	,)R	
C9102	1-162-919-11	CERAMIC CHIP	22pF 5%	50V	Q9104	8-729-026-49	TRANSISTOR 2SA103	7AK-T146-Q	(R	
C9103	1-164-156-11	CERAMIC CHIP	0.1µF	25V	Q9105	8-729-122-63	TRANSISTOR 2SA122	:6-T1E4		
C9105	1-107-962-11	ELECT	22µF 20%	250V		DECICTOR				
C9106	1-161-830-00	CERAMIC	0.0047µF	500V		RESISTOR				
2212		.==		-0.7	R9101	1-260-133-11	CARBON	680K	5%	1/2W
C9107	1-101-003-00	CERAMIC	0.0047µF	50V	R9102	1-249-425-11	CARBON	4.7K	5%	1/4W
C9108	1-126-935-11	ELECT CLUB	470µF 20%	16V	R9103	1-216-809-11	RES-CHIP	100	5%	1/10W
C9110	1-164-156-11	CERAMIC CHIP	0.1µF	25V	R9104	1-260-132-11	CARBON	560K	5%	1/2W
C9111 C9112	1-164-156-11 1-126-933-11	CERAMIC CHIP ELECT	0.1μF 100μF 20%	25V 16V	R9105	1-218-696-11	METAL CHIP	1.5K	0.50%	1/16W
					R9106	1-218-680-11	METAL CHIP	330	0.50%	1/16W
C9114	1-162-966-11	CERAMIC CHIP	0.0022µF 10%	50V	R9107	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
C9115	1-101-003-00	CERAMIC	0.0047µF	50V	R9108	1-218-716-11	METAL CHIP	10K		1/16W
C9117	1-164-156-11	CERAMIC CHIP	0.1µF	25V	R9109	1-218-690-11	METAL CHIP	820	0.50%	1/16W
	CONNECTOR				R9114	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W
* CN9101	1-564-511-11	PLUG,CONNECTOR	8P		R9115	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W
* CN9102	1-564-507-11	PLUG,CONNECTOR	4P		R9116	1-260-328-11	CARBON	1K	5%	1/2W
* CN9103	1-564-508-11	PLUG,CONNECTOR	 5P		R9120	1-215-926-00	METAL OXIDE	33K	5%	3W
CN9104	1-695-915-11	TAB (CONTACT)			R9121	1-260-087-11	CARBON	100	5%	1/2W
CN9107	1-785-879-11	CONNECTOR, ONE TO	UCH		R9122	1-260-320-11	CARBON	220	5%	1/2W
CN9110	1-695-915-11	TAB (CONTACT)			D0400	4 040 740 44	METAL CLUD	2201/	0.500/	4/40/4/
	DIODE				R9126 R9127	1-218-748-11 1-218-748-11	METAL CHIP METAL CHIP	220K 220K		1/16W 1/16W
					R9127	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
D9101	8-719-901-83	DIODE 1SS83TD			R9131	1-216-823-11	RES-CHIP	1.5K	5%	1/10W
D9104 D9109	8-719-901-83 8-719-404-50	DIODE 1SS83TD DIODE MA111-TX			R9132	1-216-833-11	RES-CHIP	10K	5%	1/10W
	FERRITE BEAD				R9133	1-216-809-11	RES-CHIP	100	5%	1/10W
ED0404		FEDDITE	1 1L		R9134	1-216-821-11	RES-CHIP	1K	5%	1/10W
FB9101	1-410-397-21	FERRITE	1.1µH		R9135	1-260-087-11	CARBON	100	5%	1/2W
	<u>IC</u>				R9136	1-218-700-11	METAL CHIP	2.2K		1/16W
IC9101	8-759-680-01	IC TDA6120Q/N2/S1			R9137	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W
	<u>JACK</u>					SPARK GAP				
⚠ J9101	1-251-182-41	SOCKET, CRT			SG9101 SG9102	1-517-729-31 1-519-422-11	GAP, SPARK GAP, SPARK			
	COIL				300102	1010 722-11	oru , or ruut			
1.0404		INDLICTOR	10L							
L9101	1-414-856-11	INDUCTOR	10μH 1υμ							
L9102 L9103	1-414-855-31 1-414-856-11	INDUCTOR INDUCTOR	1μH 10μH							
LUIUU	1 -11-000- 11	INDOOTOR	ισμιι							



	REF. NO.	PART NO.	DESCRIPTION	VALUES	;			REF. NO.	PART NO.	DESCRIPTION	VALUI	ES	
7	\overline{C}	1							COIL				
Ľ	* *	(KV-65WV600/6 A-1401-419-A	CG BOARD, MOUNT 55WV700 ONLY) CG BOARD, MOUNT	. ,				L9201 L9202 L9203	1-414-856-11 1-414-855-31 1-414-856-11	INDUCTOR INDUCTOR INDUCTOR	10µН 1µН 10µН		
		(KV-5/WV600/5	7WV700 ONLY)						NEON LAMP				
		4-382-854-11	SCREW (M3X10), P, SW	/ (+)				NL9202 NL9203	1-517-778-21 1-517-778-21	LAMP, NEON LAMP, NEON			
		CAPACITOR							TRANSISTOR				
	C9201 C9202 C9203 C9204 C9205 C9207	1-107-662-11 1-104-570-11 1-164-156-11 1-126-935-11 1-164-378-11 1-164-156-11	ELECT CERAMIC CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP	22μF 0.001μF 0.1μF 470μF 30pF 0.1μF	20% 10% 20% 5%	250V 2KV 25V 16V 50V 25V		Q9201 Q9202 Q9203 Q9204	8-729-120-28 8-729-028-28 8-729-026-49 8-729-122-63 RESISTOR	TRANSISTOR 2SC24 TRANSISTOR 2SK20 TRANSISTOR 2SA10 TRANSISTOR 2SA12	036(TE85L) 037AK-T146-		
	C0200	1 164 156 11	CEDAMIC CUID	0.1		251/		R9201	1-260-133-11	CARBON	680K	5%	1/2W
	C9208 C9209	1-164-156-11 1-101-003-00	CERAMIC CHIP CERAMIC	0.1μF 0.0047μF		25V 50V		R9202	1-260-132-11	CARBON	560K	5%	1/2W
	C9211	1-126-933-11	ELECT	100µF	20%	16V		R9203	1-249-425-11	CARBON	4.7K	5%	1/4W
	C9213	1-161-830-00	CERAMIC	0.0047µF		500V		R9204	1-216-809-11	RES-CHIP	100	5%	1/10W
	C9214	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V		R9205	1-218-716-11	METAL CHIP	10K	0.50%	1/16W
	C9216 C9217	1-101-003-00 1-164-156-11	CERAMIC CERAMIC CHIP	0.0047µF 0.1µF		50V 25V		R9206	1-218-677-11 (KP-65WV600/65	METAL CHIP 5WV700 ONLY)	240	0.50%	1/16W
	00211		ozra mno orm	σ μ.		201		R9206	1-218-679-11	METAL CHIP	300	0.50%	1/16W
		CONNECTOR							(KP-57WV600/57	7WV700 ONLY)			
*	CN9201	1-564-511-11	PLUG,CONNECTOR	8P				R9207	1-218-694-11	METAL CHIP	1.2K	0.50%	1/16W
*	CN9202	1-564-511-11	PLUG, CONNECTOR	8P									
*	CN9203	1-564-507-11	PLUG,CONNECTOR	4P				R9208	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
*	CN9204	1-564-507-11	PLUG,CONNECTOR	4P				R9209	1-218-690-11	METAL CHIP	820		1/16W
*	CN9205	1-564-506-11	PLUG,CONNECTOR	3P				R9216	1-218-699-11	METAL CHIP	2K		1/16W
								R9217 R9220	1-218-708-11 1-215-926-00	METAL CHIP METAL OXIDE	4.7K 33K	0.50% 5%	1/16W 3W
*	CN9206 CN9208	1-564-509-11 1-695-915-11	PLUG,CONNECTOR TAB (CONTACT)	6P				R9221	1-213-920-00	CARBON	1K	5%	1/2W
	CN9209	1-785-879-11	CONNECTOR, ONE TO	UCH				R9222	1-260-087-11	CARBON	100	5%	1/2W
	CN9210	1-695-915-11	TAB (CONTACT)					R9223	1-260-320-11	CARBON	220	5%	1/2W
		DIODE						R9225	1-218-744-11	METAL CHIP	150K		1/16W
	D9201	8-719-901-83	DIODE 1SS83TD					R9226	1-218-744-11	METAL CHIP	150K		1/16W
	D9206	8-719-901-83	DIODE 1SS83TD					R9228	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	D9209	8-719-404-50	DIODE MA111-TX					R9230	1-216-823-11	RES-CHIP	1.5K	5%	1/10W
		FERRITE BEAD						R9231	1-260-087-11	CARBON	100	5%	1/2W
								R9232	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W
	FB9201	1-410-397-21	FERRITE	1.1µH				R9233	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W
		<u>IC</u>							SPARK GAP				
	IC9201	8-759-680-01	IC TDA6120Q/N2/S1					SG9201	1-517-729-31	GAP, SPARK			
		<u>JACK</u>						SG9202	1-519-422-11	GAP, SPARK			
<u>^!\</u>	J9201	1-251-182-41	SOCKET, CRT				112						



	REF. NO.	PART NO.	DESCRIPTION	VALUES	3			REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
	70	٦							<u>IC</u>				
	<u> </u>							IC9301	8-759-680-01	IC TDA6120Q/N2/S1			
	*		CB BOARD, MOUN	TED (VAR)									
	*		5WV700 ONLY) CB BOARD, MOUN	TFD (VAR)					<u>JACK</u>				
			7WV700 ONLY)	. = 5 (0, 11.4)			<u> </u>	J9301	1-251-182-41	SOCKET, CRT			
		4-382-854-11	SCREW (M3X10), P, SV	V (+)					COIL				
		CAPACITOR						L9301 L9302	1-414-856-11 1-414-855-31	INDUCTOR INDUCTOR	10μH 1μH		
	C9301	1-104-570-11	CERAMIC	0.001µF	10%	2KV		L9303	1-414-856-11	INDUCTOR	10µH		
	C9302	1-104-370-11	CERAMIC	0.001µF	10 /0	50V							
	C9303	1-107-662-11	ELECT	22μF	20%	250V			NEON LAMP				
	C9304	1-162-920-11	CERAMIC CHIP	27pF	5%	50V							
	C9305	1-162-916-11	CERAMIC CHIP	12pF	5%	50V		NL9302	1-517-778-21	LAMP, NEON			
				'				NL9303	1-517-778-21	LAMP, NEON			
	C9306	1-164-156-11	CERAMIC CHIP	0.1µF		25V			TRANSISTOR				
	C9307	1-126-935-11	ELECT	470μF	20%	16V			HUMOIOTOR				
	C9309	1-164-156-11	CERAMIC CHIP	0.1µF		25V		Q9301	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX		
	C9310	1-164-156-11	CERAMIC CHIP	0.1µF	000/	25V		Q9302	8-729-028-28	TRANSISTOR 2SK203	,		
	C9311	1-126-933-11	ELECT	100µF	20%	16V		Q9303	8-729-120-28	TRANSISTOR 2SC241			
	C9312	1-161-830-00	CERAMIC	0.0047µF		500V		Q9304	8-729-120-28	TRANSISTOR 2SC241			
	C9312	1-164-156-11	CERAMIC CHIP	0.0047μF 0.1μF		25V		Q9305	8-729-026-49	TRANSISTOR 2SA103	7AK-T146-C)R	
	C9314	1-162-970-11	CERAMIC CHIP	0.1µF	10%	25V 25V		00000	0.700.000.40	TD 4 1 0 1 0 T 0 D 0 0 4 4 0 0	7.11/ 7 .40 0		
	C9315	1-162-966-11	CERAMIC CHIP	0.0022µF		50V		Q9306	8-729-026-49	TRANSISTOR 2SA103			
	C9316	1-101-003-00	CERAMIC	0.0047µF	1070	50V		Q9307	8-729-026-49	TRANSISTOR 2SA103			
	000.0		000					Q9308 Q9309	8-729-120-28 8-729-122-63	TRANSISTOR 2SC241 TRANSISTOR 2SA122		К	
	C9318	1-164-156-11	CERAMIC CHIP	0.1µF		25V		Q3303	0-729-122-03	TRANSISTOR 25A122	0-1164		
	C9320	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V			RESISTOR				
		CONNECTOR						R9301	1-216-809-11	RES-CHIP	100	5%	1/10W
*	CN9301	1-564-510-11	PLUG,CONNECTOR	7P				R9302	1-218-680-11	METAL CHIP	330		1/16W
*	CN9301	1-564-511-11	PLUG,CONNECTOR	8P				R9303	1-260-133-11	CARBON	680K	5%	1/2W
*	CN9303	1-564-507-11	PLUG,CONNECTOR	4P				R9304	1-260-132-11	CARBON	560K	5%	1/2W
	CN9304	1-695-915-11	TAB (CONTACT)					R9306	1-218-682-11	METAL CHIP	390	0.50%	1/16W
	CN9308	1-785-879-11	CONNECTOR, ONE TO	DUCH					(KP-65WV600/65				
*	CN9309	1-564-507-11	PLUG,CONNECTOR	4P				R9306	1-218-684-11	METAL CHIP	470	0.50%	1/16W
	CN9310	1-695-915-11	TAB (CONTACT)						(KP-57WV600/57	WV700 ONLY)			
			,					R9307	1-218-696-11	METAL CHIP	1.5K	0.50%	1/16W
		DIODE						R9308	1-218-684-11	METAL CHIP	470	0.50%	1/16W
	D9301	8-719-404-50	DIODE MA111-TX					R9309	1-218-698-11	METAL CHIP	1.8K	0.50%	1/16W
	D9302	8-719-901-83	DIODE 1SS83TD										
	D9303	8-719-404-50	DIODE MA111-TX					R9313	1-218-724-11	METAL CHIP	22K		1/16W
	D9309	8-719-901-83	DIODE 1SS83TD					R9314	1-218-704-11	METAL CHIP	3.3K		1/16W
	D9310	8-719-404-50	DIODE MA111-TX					R9315	1-218-706-11	METAL CHIP	3.9K		1/16W
		FERRITE BEAD						R9316 R9317	1-218-698-11 1-218-708-11	METAL CHIP METAL CHIP	1.8K 4.7K		1/16W 1/16W
	FB9301	1-410-397-21	FERRITE	1.1µH				10011	1 210 100-11	METAL OTH	1.111	0.00 /0	1, 1011
	. 50001	1 710 001-21	LIMMIL	πιμιι			1						



REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
R9318	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	C1506	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
R9319	1-249-425-11	CARBON	4.7K	5%	1/4W	C1507	1-109-982-11	CERAMIC CHIP	1μF	10%	10V
R9320	1-215-926-00	METAL OXIDE	33K	5%	3W	C1508	1-126-960-11	ELECT	1μF	20%	50V
R9323	1-260-328-11	CARBON	1K	5%	1/2W	C1509	1-126-960-11	ELECT	1µF	20%	50V
R9324	1-260-087-11	CARBON	100	5%	1/2W	C1510	1-126-960-11	ELECT	1µF	20%	50V
R9325	1-260-320-11	CARBON	220	5%	1/2W	C1511	1-126-960-11	ELECT	1µF	20%	50V
R9327	1-218-749-11	METAL CHIP	240K	0.50%	1/16W	C1512	1-126-960-11	ELECT	1μF	20%	50V
R9328	1-218-749-11	METAL CHIP	240K	0.50%	1/16W	C1513	1-126-960-11	ELECT	1µF	20%	50V
R9330	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	C1519	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V
R9332	1-216-823-11	RES-CHIP	1.5K	5%	1/10W	C1520	1-162-913-11	CERAMIC CHIP	8pF	0.50pF	50V
R9333	1-218-699-11	METAL CHIP	2K	0.50%	1/16W	C1521	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
R9334	1-216-822-11	RES-CHIP	1.2K	5%	1/10W	C1522	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
⚠ R9335	1-249-393-11	CARBON	10	5%	1/4W	C1523	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
R9336	1-216-833-11	RES-CHIP	10K	5%	1/10W	C1524	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
R9337	1-216-833-11	RES-CHIP	10K	5%	1/10W	C1525	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R9338	1-216-821-11	RES-CHIP	1K	5%	1/10W	C1526	1-126-964-11	ELECT	10μF	20%	50V
R9339	1-260-087-11	CARBON	100	5%	1/2W	C1527	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
R9340	1-216-833-11	RES-CHIP	10K	5%	1/10W	C1528	1-126-933-11	ELECT	100µF	20%	16V
R9341	1-216-821-11	RES-CHIP	1K	5%	1/10W	C1529	1-109-982-11	CERAMIC CHIP	1µF	10%	10V
R9342	1-216-834-11	RES-CHIP	12K	5%	1/10W	C1530	1-126-964-11	ELECT	10μF	20%	50V
R9343	1-216-833-11	RES-CHIP	10K	5%	1/10W	C1531	1-126-941-11	ELECT	470µF	20%	25V
R9344	1-216-845-11	RES-CHIP	100K	5%	1/10W	C1532	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
R9345	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	C1533	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
R9346	1-216-833-11	RES-CHIP	10K	5%	1/10W	C1534	1-126-933-11	ELECT	100µF	20%	16V
R9347	1-216-809-11	RES-CHIP	100	5%	1/10W	C1535	1-126-933-11	ELECT	100µF	20%	16V
R9348	1-216-821-11	RES-CHIP	1K	5%	1/10W	C1536	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
R9349	1-216-805-11	RES-CHIP	47	5%	1/10W	C1537	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
R9350	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W	C1538	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
R9351	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W	C1539	1-164-156-11	CERAMIC CHIP	0.1µF		25V
						C1540	1-126-933-11	ELECT	100μF	20%	16V
	SPARK GAP					C1541	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
SG9301	1-517-729-31	GAP, SPARK				C1542	1-126-960-11	ELECT	1μF	20%	50V
SG9302	1-519-422-11	GAP, SPARK				C1544	1-126-960-11	ELECT	1µF	20%	50V
						C1545	1-126-933-11	ELECT	100µF	20%	16V
						C1546	1-164-156-11	CERAMIC CHIP	0.1µF		25V
						C1548	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
*	A-1300-321-A	U BOARD, COMPL	LETE			C1550	1-126-960-11	ELECT	1μF	20%	50V
						C1551	1-126-960-11	ELECT	1µF	20%	50V
	CAPACITOR					C1552	1-126-960-11	ELECT	1μF	20%	50V
C1E01		CEDAMIC CHID	1⊏	100/	10\/	C1553	1-126-960-11	ELECT	1µF	20%	50V
C1501	1-109-982-11	CERAMIC CHIP	1μF	10%	10V						
C1502	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C1554	1-126-960-11	ELECT	1µF	20%	50V
C1503	1-109-982-11	CERAMIC CHIP	1µF	10%	10V	C1555	1-126-960-11	ELECT	1µF	20%	50V
C1504	1-109-982-11	CERAMIC CHIP	1μF 0.1υ⊑	10%	10V	C1556	1-126-933-11	ELECT	100µF	20%	16V
C1505	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C1557	1-164-156-11	CERAMIC CHIP	0.1µF		25V



REF. NO.	PART NO.	DESCRIPTION	VALUE	S		REF. NO.	PART NO.	DESCRIPTION	VALUES
C1558	1-126-933-11	ELECT	100µF	20%	16V	D1531	8-719-069-61	DIODE UDZSTE-1710B	
C1559	1-126-933-11	ELECT	100µF	20%	16V	D1532	8-719-069-61	DIODE UDZSTE-1710B	
C1560	1-126-933-11	ELECT	100µF	20%	16V	D1533	8-719-977-28	DIODE UDZSTE-1710B	
C1561	1-126-933-11	ELECT	100µF	20%	16V	D1534	8-719-977-28	DIODE UDZSTE-1710B	
C1562	1-126-933-11	ELECT	100µF	20%	16V	D1535	8-719-977-28	DIODE UDZSTE-1710B	
C1563	1-126-933-11	ELECT	100µF	20%	16V				
							<u>IC</u>		
	CONNECTOR						<u>10</u>		
						IC1502	8-752-080-04	IC CXA2069Q	
CN1501	1-764-334-11	PLUG,CONNECTOR		11P		IC1505	8-759-548-56	IC M52055FP	
CN1502	1-793-173-11	PIN, PCCONNECTOR	•	,					
CN1503	1-793-419-11	CONNECTOR, BOARI	O TO BOARI	D 4P			<u>JACK</u>		
	DIODE					J1501	1-573-967-12	BLOCK, (S) TERMINAL	
	DIODE					J1502	1-750-516-21	JACK BLOCK, PIN	2P
D1501	8-719-977-28	DIODE UDZSTE-1710	В			J1503	1-750-517-21	JACK BLOCK, PIN	3P
D1502	8-719-977-28	DIODE UDZSTE-1710				J1504	1-750-517-21	JACK BLOCK, PIN	3P
D1503	8-719-977-28	DIODE UDZSTE-1710				J1505	1-764-143-11	JACK	
D1504	8-719-977-28	DIODE UDZSTE-1710							
D1505	8-719-977-28	DIODE UDZSTE-1710				J1506	1-764-143-11	JACK	
						J1507	1-750-516-21	JACKBLOCK, PIN	2P
D1506	8-719-977-28	DIODE UDZSTE-1710	В			J1508	1-774-358-11	JACK BLOCK, PIN	
D1507	8-719-977-28	DIODE UDZSTE-1710				J1509	1-774-358-11	JACK BLOCK, PIN	
D1508	8-719-977-28	DIODE UDZSTE-1710							
D1509	8-719-977-28	DIODE UDZSTE-1710					COIL		
D1510	8-719-977-28	DIODE UDZSTE-1710					OOIL		
						L1502	1-469-555-21	INDUCTOR	10μH
D1511	8-719-977-28	DIODE UDZSTE-1710	В			L1503	1-469-555-21	INDUCTOR	10µH
D1512	8-719-977-28	DIODE UDZSTE-1710	В			L1504	1-469-555-21	INDUCTOR	10μH
D1513	8-719-977-28	DIODE UDZSTE-1710	В			L1505	1-469-555-21	INDUCTOR	10µH
D1514	8-719-977-28	DIODE UDZSTE-1710	В			L1506	1-469-555-21	INDUCTOR	10μH
D1515	8-719-977-28	DIODE UDZSTE-1710	В						
							TRANSISTOR		
D1516	8-719-977-28	DIODE UDZSTE-1710	В			Q1501	8-729-424-02	TRANSISTOR 2SB709A	ODS TV
D1517	8-719-977-28	DIODE UDZSTE-1710	В			Q1501 Q1502	8-729-424-02	TRANSISTOR 2SB709A	
D1518	8-719-914-43	DIODE DAN202K-T-14	6			Q1502 Q1503	8-729-424-02	TRANSISTOR 2SB709A	
D1519	8-719-977-28	DIODE UDZSTE-1710	В			Q1503 Q1504	8-729-424-02	TRANSISTOR 2SB709A	
D1520	8-719-977-28	DIODE UDZSTE-1710	В			Q1505	8-729-422-27	TRANSISTOR 2SD601A	
			_			Q1000	0 125 422 21	110 11010101017 2000017	T QTO TA
D1521	8-719-977-28	DIODE UDZSTE-1710				Q1506	8-729-422-27	TRANSISTOR 2SD601A	-ORS-TX
D1522	8-719-977-28	DIODE UDZSTE-1710				Q1507	8-729-424-02	TRANSISTOR 2SB709A	
D1523	8-719-977-28	DIODE UDZSTE-1710				Q1508	8-729-422-27	TRANSISTOR 2SD601A	
D1524	8-719-977-28	DIODE UDZSTE-1710				Q1509	8-729-422-27	TRANSISTOR 2SD601A	
D1525	8-719-977-28	DIODE UDZSTE-1710	В			Q1510	8-729-422-27	TRANSISTOR 2SD601A	
D1526	8-719-977-28	DIODE UDZSTE-1710	R						
D1520	8-719-069-61	DIODE UDZSTE-1710				Q1511	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX
D1527	8-719-069-61	DIODE UDZSTE-1710				Q1512	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX
D1520	8-719-069-61	DIODE UDZSTE-1710				Q1513	8-729-422-27	TRANSISTOR 2SD601A	A-QRS-TX
D1523	8-719-069-61	DIODE UDZSTE-1710				Q1515	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX
5 1000	0 . 10 000 01	5.052 052012 1710	-			Q1516	8-729-422-27	TRANSISTOR 2SD601A	A-QRS-TX
						1			



REF. NO.	PART NO.	DESCRIPTION	VALUE	S		REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
Q1518	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX			R1543	1-216-809-11	RES-CHIP	100	5%	1/10W
Q1519	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX			R1544	1-216-830-11	RES-CHIP	5.6K	5%	1/10W
Q1520	8-729-422-27	TRANSISTOR 2SD601				R1545	1-216-830-11	RES-CHIP	5.6K	5%	1/10W
Q1521	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX			R1546	1-216-809-11	RES-CHIP	100	5%	1/10W
Q1522	8-729-424-02	TRANSISTOR 2SB709				R1547	1-216-830-11	RES-CHIP	5.6K	5%	1/10W
Q1523	8-729-422-27	TRANSISTOR 2SD601	A-ORS-TX			R1548	1-216-841-11	RES-CHIP	47K	5%	1/10W
Q1524	8-729-422-27	TRANSISTOR 2SD601				R1549	1-216-809-11	RES-CHIP	100	5%	1/10W
Q1021	0 120 122 27	1144101010101120001	71 4110 171			R1550	1-216-809-11	RES-CHIP	100	5%	1/10W
	DECICTOR					R1551	1-216-853-11	RES-CHIP	470K	5%	1/10W
	RESISTOR					R1552	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1501	1-216-853-11	RES-CHIP	470K	5%	1/10W	111002	1210 021 11	1120 01111		070	1,1011
R1502	1-216-853-11	RES-CHIP	470K	5%	1/10W	R1554	1-216-809-11	RES-CHIP	100	5%	1/10W
R1503	1-218-665-11	METAL CHIP	75	0.50%	1/16W	R1555	1-216-853-11	RES-CHIP	470K	5%	1/10W
R1504	1-218-665-11	METAL CHIP	75		1/16W	R1556	1-216-853-11	RES-CHIP	470K	5%	1/10W
R1505	1-218-665-11	METAL CHIP	75		1/16W	R1557	1-216-830-11	RES-CHIP	5.6K	5%	1/10W
						R1558	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1506	1-216-853-11	RES-CHIP	470K	5%	1/10W	1(1550	1-210-021-11	NEO-OI III	Ш	370	1/1044
R1507	1-216-853-11	RES-CHIP	470K	5%	1/10W	R1559	1-218-665-11	METAL CHIP	75	0.50%	1/16W
R1508	1-218-665-11	METAL CHIP	75		1/16W	R1560	1-216-845-11	RES-CHIP	100K	5%	1/10W
R1509	1-218-665-11	METAL CHIP	75		1/16W	R1562	1-216-809-11	RES-CHIP	1001	5%	1/10W
R1510	1-218-665-11	METAL CHIP	75		1/16W	R1563	1-216-830-11	RES-CHIP	5.6K	5%	1/10W
						R1565	1-216-809-11	RES-CHIP	100	5%	1/10W
R1511	1-216-853-11	RES-CHIP	470K	5%	1/10W	1(1303	1-210-009-11	NEO-OHII	100	J /0	1/1044
R1512	1-216-853-11	RES-CHIP	470K	5%	1/10W	R1566	1-216-809-11	RES-CHIP	100	5%	1/10W
R1513	1-218-665-11	METAL CHIP	75		1/16W	R1567	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1514	1-216-821-11	RES-CHIP	1K	5%	1/10W	R1568	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1520	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R1569	1-216-809-11	RES-CHIP	100	5%	1/10W
				- , ,	.,	R1570	1-216-809-11	RES-CHIP	100	5%	1/10W
R1521	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	1010	1-210-009-11	NEO-OHII	100	J /0	1/1044
R1522	1-216-824-11	RES-CHIP	1.8K	5%	1/10W	R1571	1-216-809-11	RES-CHIP	100	5%	1/10W
R1523	1-216-824-11	RES-CHIP	1.8K	5%	1/10W	R1572	1-216-809-11	RES-CHIP	100	5%	1/10W
R1524	1-216-809-11	RES-CHIP	100	5%	1/10W	R1573	1-216-830-11	RES-CHIP	5.6K	5%	1/10W
R1525	1-216-809-11	RES-CHIP	100	5%	1/10W	R1574	1-216-809-11	RES-CHIP	100	5%	1/10W
						R1575	1-216-809-11	RES-CHIP	100	5%	1/10W
R1526	1-216-821-11	RES-CHIP	1K	5%	1/10W	1070	1 210 000 11	NEO OI III	100	070	1/1044
R1527	1-216-821-11	RES-CHIP	1K	5%	1/10W	R1576	1-216-833-11	RES-CHIP	10K	5%	1/10W
R1530	1-216-809-11	RES-CHIP	100	5%	1/10W	R1577	1-216-830-11	RES-CHIP	5.6K	5%	1/10W
R1531	1-216-809-11	RES-CHIP	100	5%	1/10W	R1578	1-216-857-11	RES-CHIP	1M	5%	1/10W
R1532	1-216-809-11	RES-CHIP	100	5%	1/10W	R1579	1-216-842-11	RES-CHIP	56K	5%	1/10W
						R1580	1-216-809-11	RES-CHIP	100	5%	1/10W
R1533	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	111000	1 210 000 11	NEO OI III	100	070	1/1044
R1534	1-216-833-11	RES-CHIP	10K	5%	1/10W	R1581	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1535	1-216-821-11	RES-CHIP	1K	5%	1/10W	R1582	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R1536	1-216-821-11	RES-CHIP	1K	5%	1/10W	R1583	1-216-809-11	RES-CHIP	100	5%	1/10W
R1537	1-216-821-11	RES-CHIP	1K	5%	1/10W	R1584	1-216-830-11	RES-CHIP	5.6K	5%	1/10W
					•	R1585	1-216-821-11	RES-CHIP	1K	5%	1/10W
R1538	1-216-806-11	RES-CHIP	56	5%	1/10W	111000	. 2.0 021 11	1.20 01111	113	J /0	17 1011
R1539	1-216-805-11	RES-CHIP	47	5%	1/10W	R1586	1-216-813-11	RES-CHIP	220	5%	1/10W
R1540	1-216-809-11	RES-CHIP	100	5%	1/10W	R1587	1-216-809-11	RES-CHIP	100	5%	1/10W
R1541	1-216-809-11	RES-CHIP	100	5%	1/10W	R1588	1-216-830-11	RES-CHIP	5.6K	5%	1/10W
R1542	1-216-830-11	RES-CHIP	5.6K	5%	1/10W	R1589	1-216-813-11	RES-CHIP	220	5%	1/10W
						1 111000	. 210 010 11	ALO OTH	220	U /U	.,



0.50% 1/16W 0.50% 1/16W 0.50% 1/16W 0.50% 1/16W 0.50% 1/16W

0.50% 1/16W 0.50% 1/16W 0.50% 1/16W 0.50% 1/16W 0.50% 1/16W

REF. NO.	PART NO.	DESCRIPTION	VALU	FS			REF. NO.	PART NO.	DESCRIPTION	VALUE	: c	
						T						
R1590	1-216-809-11	RES-CHIP	100	5%	1/10W		R1651	1-218-676-11	METAL CHIP	220	0.50%	
R1591	1-216-813-11	RES-CHIP	220	5%	1/10W		R1652	1-218-676-11	METAL CHIP	220	0.50%	
R1592	1-216-833-11	RES-CHIP	10K	5%	1/10W		R1653	1-218-676-11	METAL CHIP	220	0.50%	
R1593	1-216-809-11	RES-CHIP	100	5%	1/10W		R1654	1-218-676-11	METAL CHIP	220	0.50%	
R1594	1-216-830-11	RES-CHIP	5.6K	5%	1/10W		R1655	1-218-676-11	METAL CHIP	220	0.50%	1/16
R1595	1-216-830-11	RES-CHIP	5.6K	5%	1/10W		R1656	1-218-676-11	METAL CHIP	220	0.50%	1/16
R1596	1-216-830-11	RES-CHIP	5.6K	5%	1/10W		R1657	1-218-676-11	METAL CHIP	220	0.50%	1/16
R1597	1-216-809-11	RES-CHIP	100	5%	1/10W		R1658	1-218-676-11	METAL CHIP	220	0.50%	1/16
R1598	1-216-830-11	RES-CHIP	5.6K	5%	1/10W		R1659	1-218-676-11	METAL CHIP	220	0.50%	1/16
R1600	1-216-809-11	RES-CHIP	100	5%	1/10W		R1660	1-218-676-11	METAL CHIP	220	0.50%	1/16
R1604	1-216-825-11	RES-CHIP	2.2K	5%	1/10W			VARISTOR				
R1607	1-216-845-11	RES-CHIP	100K	5%	1/10W			VAINIOTOIN				
R1608	1-216-849-11	RES-CHIP	220K	5%	1/10W		VD1516	1-803-974-21	VARISTOR, CHIP			
R1609	1-216-833-11	RES-CHIP	10K	5%	1/10W							
R1610	1-216-849-11	RES-CHIP	220K	5%	1/10W	Ιп		П				
R1612	1-216-849-11	RES-CHIP	220K	5%	1/10W		<u>ں ر</u>					
R1613	1-216-845-11	RES-CHIP	100K	5%	1/10W		The UD b	oard is not field	repairable. If service	ce is require	d. use	
R1615	1-216-841-11	RES-CHIP	47K	5%	1/10W				r to order a comple			ard.
R1616	1-216-833-11	RES-CHIP	10K	5%	1/10W			rovided for refer	-	•		
R1617		RES-CHIP		5%			•		•			
KIOII	1-216-845-11	KES-CHIP	100K	3%	1/10W							
R1618	1-216-864-11	SHORT CHIP	0				*	A-1300-324-A	UD BOARD, COM	PLETE		
R1619	1-216-809-11	RES-CHIP	100	5%	1/10W			CAPACITOR				
R1620	1-216-809-11	RES-CHIP	100	5%	1/10W							
R1621	1-216-853-11	RES-CHIP	470K	5%	1/10W		C7001	1-126-395-11	ELECT CHIP	22µF	20%	16V
R1622	1-216-853-11	RES-CHIP	470K	5%	1/10W		C7002	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
							C7004	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R1623	1-216-853-11	RES-CHIP	470K	5%	1/10W		C7005	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R1624	1-216-853-11	RES-CHIP	470K	5%	1/10W		C7006	1-124-779-00	ELECT CHIP	10µF	20%	16V
R1625	1-218-676-11	METAL CHIP	220	0.50%	1/16W							
R1626	1-218-676-11	METAL CHIP	220	0.50%	1/16W		C7007	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
R1627	1-218-676-11	METAL CHIP	220	0.50%	1/16W		C7008	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
							C7010	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R1628	1-216-853-11	RES-CHIP	470K	5%	1/10W		C7011	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R1629	1-216-853-11	RES-CHIP	470K	5%	1/10W		C7012	1-124-779-00	ELECT CHIP	10µF	20%	16V
R1630	1-218-676-11	METAL CHIP	220	0.50%	1/16W							
R1631	1-218-676-11	METAL CHIP	220	0.50%	1/16W		C7013	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R1632	1-218-676-11	METAL CHIP	220	0.50%	1/16W		C7014	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
							C7015	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R1635	1-216-821-11	RES-CHIP	1K	5%	1/10W		C7016	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R1636	1-216-821-11	RES-CHIP	1K	5%	1/10W		C7017	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R1637	1-216-821-11	RES-CHIP	1K	5%	1/10W							
R1645	1-216-809-11	RES-CHIP	100	5%	1/10W		C7018	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
R1646	1-216-864-11	SHORT CHIP	0	- / •			C7019	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
	• • • • • • • • • • • • • • • • •		Ť				C7020	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
R1647	1-216-864-11	SHORT CHIP	0				C7021	1-124-779-00	ELECT CHIP	10µF	20%	16V
R1648	1-216-864-11	SHORT CHIP	0				C7022	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
R1649	1-218-676-11	METAL CHIP	220	0.50%	1/16W					•		
D1650	1 210 676 11	METAL CHID	220		1/10//	1						

0.50% 1/16W

220

METAL CHIP

R1650

1-218-676-11



_	REF. NO.	PART NO.	DESCRIPTION	VALUE	S			REF. NO.	PART NO.	DESCRIPTION	VALUES	
	C7023	1-162-927-11	CERAMIC CHIP	100pF	5%	50V		C7070	1-164-156-11	CERAMIC CHIP	0.1µF	25V
	C7024	1-124-779-00	ELECT CHIP	10µF	20%	16V		C7071	1-164-156-11	CERAMIC CHIP	0.1µF	25V
	C7025	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C7078	1-164-156-11	CERAMIC CHIP	0.1µF	25V
	C7026	1-124-779-00	ELECT CHIP	10µF	20%	16V		C7079	1-164-156-11	CERAMIC CHIP	0.1µF	25V
	C7027	1-164-156-11	CERAMIC CHIP	0.1µF	_0,0	25V		C7080	1-164-156-11	CERAMIC CHIP	0.1µF	25V
	01021	1 101 100 11	OLI WINIO OTHI	υ. τμι		201		01000	1 101 100 11	or a mile or m	0.1pi	201
	C7028	1-164-156-11	CERAMIC CHIP	0.1µF		25V			CONNECTOR			
	C7029	1-164-156-11	CERAMIC CHIP	0.1µF		25V						
	C7030	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	*	CN7001	1-816-228-21	CONNECTOR, DIV		
	C7031	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	*	CN7002	1-564-526-11	PLUG,CONNECTOR	11P	
	C7032	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	*	CN7004	1-564-519-11	PLUG,CONNECTOR	4P	
	07000	4 404 770 00	EL EOT OLUB	40.·F	000/	401/			DIODE			
	C7033	1-124-779-00	ELECT CHIP	10μF	20%	16V			DIODE			
	C7034	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D7001	8-719-914-43	DIODE DAN202K-T-146		
	C7035	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D7002	8-719-069-55	DIODE UDZSTE-175.6B		
	C7036	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D7003	8-719-069-55	DIODE UDZSTE-175.6B		
	C7037	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D7004	8-719-069-55	DIODE UDZSTE-175.6B		
						a=\ /		D7006	8-719-069-55	DIODE UDZSTE-175.6B		
	C7038	1-164-156-11	CERAMIC CHIP	0.1µF	2221	25V		51000	0 1 10 000 00	51052 052012 110.05		
	C7039	1-126-395-11	ELECT CHIP	22µF	20%	16V			FERRITE BEAD			
	C7040	1-162-921-11	CERAMIC CHIP	33pF	5%	50V			FERRIIE DEAU			
	C7041	1-164-156-11	CERAMIC CHIP	0.1µF		25V		FB7001	1-414-760-21	FERRITE	0μΗ	
	C7042	1-164-156-11	CERAMIC CHIP	0.1µF		25V		FB7002	1-414-760-21	FERRITE	0μΗ	
								FB7003	1-414-760-21	FERRITE	0μΗ	
	C7043	1-164-156-11	CERAMIC CHIP	0.1µF		25V		FB7004	1-414-760-21	FERRITE	0μΗ	
	C7044	1-164-156-11	CERAMIC CHIP	0.1µF		25V					•	
	C7045	1-164-156-11	CERAMIC CHIP	0.1µF		25V			<u>FILTER</u>			
	C7046	1-164-156-11	CERAMIC CHIP	0.1µF		25V			HEIEK			
	C7047	1-164-156-11	CERAMIC CHIP	0.1µF		25V		FL7001 FL7002	1-400-087-21 1-234-560-21	FILTER, EMI REMOVAL FILTER, LOW PASS	(SMD)	
	C7048	1-164-156-11	CERAMIC CHIP	0.1µF		25V		FL7002	1-234-559-21	FILTER, LOW PASS		
	C7049	1-164-156-11	CERAMIC CHIP	0.1µF		25V						
	C7050	1-164-156-11	CERAMIC CHIP	0.1µF		25V		FL7004	1-234-559-21	FILTER, LOW PASS		
	C7051	1-164-156-11	CERAMIC CHIP	0.1µF		25V						
	C7052	1-164-156-11	CERAMIC CHIP	0.1µF		25V			<u>IC</u>			
								IC7001	8-759-640-39	IC BR24C02F-WE2		
	C7053	1-164-156-11	CERAMIC CHIP	0.1µF		25V		IC7002	8-749-015-18	IC PQ07VZ012ZP		
	C7056	1-126-395-11	ELECT CHIP	22µF	20%	16V		IC7003	8-749-015-18	IC PQ07VZ012ZP		
	C7057	1-162-921-11	CERAMIC CHIP	33pF	5%	50V		IC7004	6-702-080-01	IC GM7030-H		
	C7058	1-164-156-11	CERAMIC CHIP	0.1µF		25V		IC7005	6-801-520-01	IC ST72631K4M1		
	C7059	1-164-156-11	CERAMIC CHIP	0.1µF		25V						
								IC7006	8-759-641-86	IC BR24C16F-E2		
	C7060	1-164-156-11	CERAMIC CHIP	0.1µF		25V		IC7007	6-702-170-01	IC PACDN006S		
	C7061	1-164-156-11	CERAMIC CHIP	0.1µF		25V		IC7008	6-702-170-01	IC PACDN006S		
	C7062	1-164-156-11	CERAMIC CHIP	0.1µF		25V		IC7009	6-702-170-01	IC PACDN006S		
	C7064	1-126-395-11	ELECT CHIP	22µF	20%	16V						
	C7065	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V			COIL			
				·				1 700 /		INDUCTOR	40.17	
	C7066	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		L7001	1-412-058-11	INDUCTOR	10μH	
	C7067	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		L7002	1-412-058-11	INDUCTOR	10μH	
	C7068	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V						
	C7069	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V						





REF. NO.	PART NO.	DESCRIPTION	VALUI	ES			REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
	RESISTOR						R7075	1-218-676-11	METAL CHIP	220	0.50%	1/16W
							R7080	1-218-704-11	METAL CHIP	3.3K		1/16W
R7003	1-216-821-11	RES-CHIP	1K	5%	1/10W		R7087	1-218-680-11	METAL CHIP	330		1/16W
R7004	1-218-852-11	RES-CHIP	1.6K	5%	1/10W		R7096	1-216-833-11	RES-CHIP	10K	5%	1/10W
R7007	1-216-821-11	RES-CHIP	1K	5%	1/10W		R7097	1-216-809-11	RES-CHIP	100	5%	1/10W
R7012	1-216-821-11	RES-CHIP	1K	5%	1/10W			1 210 000 11	1120 01111	100	0 70	1,1011
R7013	1-216-821-11	RES-CHIP	1K	5%	1/10W		R7098	1-216-809-11	RES-CHIP	100	5%	1/10W
							R7099	1-216-809-11	RES-CHIP	100	5%	1/10W
R7014	1-216-821-11	RES-CHIP	1K	5%	1/10W		R7101	1-216-864-11	SHORT CHIP	0	0 70	1/1044
R7015	1-216-833-11	RES-CHIP	10K	5%	1/10W		R7106	1-216-833-11	RES-CHIP	10K	5%	1/10W
R7016	1-216-833-11	RES-CHIP	10K	5%	1/10W		R7108	1-216-805-11	RES-CHIP	47	5%	1/10W
R7020	1-216-833-11	RES-CHIP	10K	5%	1/10W	'	N/ 100	1-210-003-11	NEO-CHIF	41	J /0	1/1000
R7021	1-216-833-11	RES-CHIP	10K	5%	1/10W		D7100	1 216 005 11	DEC CUID	47	E0/	1/10\\\
							R7109	1-216-805-11	RES-CHIP	47	5%	1/10W
R7023	1-216-833-11	RES-CHIP	10K	5%	1/10W		R7111	1-216-864-11	SHORT CHIP	0		
R7024	1-216-833-11	RES-CHIP	10K	5%	1/10W		R7112	1-216-864-11	SHORT CHIP	0		
R7025	1-216-833-11	RES-CHIP	10K	5%	1/10W		R7113	1-216-864-11	SHORT CHIP	0	0.500/	4/4014/
R7026	1-216-833-11	RES-CHIP	10K	5%	1/10W		R7114	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W
R7029	1-218-692-11	METAL CHIP	1K		1/16W							
117020	1 210 002 11	WIL IT LE OF III	111	0.0070	1/1044		R7115	1-218-700-11	METAL CHIP	2.2K		1/16W
R7030	1-216-864-11	SHORT CHIP	0				R7116	1-218-700-11	METAL CHIP	2.2K		1/16W
R7030	1-218-676-11	METAL CHIP	220	0.500/	1/16W		R7117	1-218-668-11	METAL CHIP	100		1/16W
R7032	1-218-676-11	METAL CHIP	220		1/16W		R7119	1-218-668-11	METAL CHIP	100	0.50%	1/16W
							R7121	1-216-864-11	SHORT CHIP	0		
R7036	1-218-704-11	METAL CHIP	3.3K		1/16W							
R7037	1-218-676-11	METAL CHIP	220	0.50%	1/16W		R7123	1-218-704-11	METAL CHIP	3.3K	0.50%	1/16W
D=0.44	4 040 000 44	DE0 0111D	4016	5 0/	4/40044		R7124	1-218-680-11	METAL CHIP	330	0.50%	1/16W
R7041	1-216-833-11	RES-CHIP	10K	5%	1/10W		R7125	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W
R7043	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		R7126	1-216-864-11	SHORT CHIP	0		
R7044	1-216-829-11	RES-CHIP	4.7K	5%	1/10W							
R7045	1-216-833-11	RES-CHIP	10K	5%	1/10W			CRYSTAL				
R7047	1-216-833-11	RES-CHIP	10K	5%	1/10W			OKTOTAL				
							X7001	1-795-568-21	VIBRATOR, CRYSTAL			
R7051	1-216-864-11	SHORT CHIP	0				X7002	1-795-567-21	VIBRATOR, CRYSTAL			
R7053	1-216-833-11	RES-CHIP	10K	5%	1/10W							
R7054	1-216-833-11	RES-CHIP	10K	5%	1/10W	$\perp \mid A$	1					
R7056	1-216-833-11	RES-CHIP	10K	5%	1/10W	🕊	<u> </u>					
R7057	1-216-864-11	SHORT CHIP	0				*	A-1300-406-A	A BOARD, COMPLE	TE		
R7058	1-216-833-11	RES-CHIP	10K	5%	1/10W	,	*	4-374-846-11	COVER,CAPACITOR, C	AP TYPE		
R7059	1-216-864-11	SHORT CHIP	0					4-382-854-01	SCREW (M3X8), P, SW	(+)		
R7060	1-216-833-11	RES-CHIP	10K	5%	1/10W							
R7061	1-216-833-11	RES-CHIP	10K	5%	1/10W			CAPACITOR				
R7062	1-216-864-11	SHORT CHIP	0					OALAGITOR				
						<u>/</u>	C503	1-136-311-11	MYLAR	0.47µF	20%	125V
R7065	1-216-833-11	RES-CHIP	10K	5%	1/10W	<u> </u>	C505	1-117-700-41	CERAMIC	0.0022µF	20%	250V
R7066	1-218-694-11	METAL CHIP	1.2K		1/16W		C506	1-126-971-11	ELECT	470µF	20%	50V
R7067	1-216-833-11	RES-CHIP	10K	5%	1/10W		C507	1-126-943-11	ELECT	2200µF	20%	25V
R7068	1-216-801-11	RES-CHIP	22	5%	1/10W	<u>/</u>		1-117-700-41	CERAMIC	0.0022µF		250V
R7069	1-216-801-11	RES-CHIP	22	5%	1/10W							
111000	. 210 001 11	ALO OTTI		U /U	1/1011		C510	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
R7071	1-216-803-11	RES-CHIP	33	5%	1/10W		C511	1-126-967-11	ELECT	47µF	20%	50V
R7071	1-216-803-11	RES-CHIP	33	5%	1/10W		C513	1-126-961-11	ELECT	2.2µF	20%	50V
111012	1-2 10-000-11	INLO-OHIIF	JJ	J /0	1/1044						/•	



REF. NO.	PART NO.	DESCRIPTION	VALUES				REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
C515	1-126-947-11	ELECT	47µF	20%	25V		C577	1-126-960-11	ELECT	1µF	20%	50V
C516	1-162-966-11	CERAMIC CHIP		10%	50V		C578	1-126-964-11	ELECT	10μF	20%	50V
C517	1-104-665-11	ELECT		20%	25V		C579	1-126-964-11	ELECT	10µF	20%	50V
C518	1-126-967-11	ELECT		20%	50V		C580	1-126-964-11	ELECT	10µF	20%	50V
C519	1-162-966-11	CERAMIC CHIP	0.0022µF		50V		C583	1-126-960-11	ELECT	1μF	20%	50V
0010	1 102 300 11	OLIV WIIO OTIII	0.0022μι	10 /0	00 V		0000	1 120 300 11	LLLOT	ıμı	2070	00 V
C520	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V		C584	1-126-960-11	ELECT	1μF	20%	50V
C521	1-104-665-11	ELECT	100µF	20%	25V		C585	1-126-960-11	ELECT	1μF	20%	50V
C522	1-126-964-11	ELECT	10µF	20%	50V		C591	1-126-969-11	ELECT	220µF	20%	50V
C523	1-104-665-11	ELECT	100µF	20%	25V		C593	1-126-969-11	ELECT	220µF	20%	50V
C524	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C595	1-126-969-11	ELECT	220µF	20%	50V
C525	1-162-966-11	CERAMIC CHIP		10%	50V		C597	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C526	1-162-927-11	CERAMIC CHIP	100pF	5%	50V		C598	1-130-495-00	MYLAR	0.1µF	5%	50V
C527	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V		C599	1-126-974-11	ELECT	3300µF	20%	50V
C528	1-126-933-11	ELECT	100µF	20%	16V		C601	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C529	1-126-941-11	ELECT	470µF	20%	25V		C607	1-130-495-00	MYLAR	0.1µF	5%	50V
C530	1-126-941-11	ELECT		20%	25V		C611	1-130-495-00	MYLAR	0.1µF	5%	50V
C535	1-115-156-11	CERAMIC CHIP	1µF		10V		C612	1-128-550-11	ELECT	2200µF	20%	50V
C536	1-126-933-11	ELECT		20%	16V		C613	1-128-550-11	ELECT	2200µF	20%	50V
C538	1-165-176-11	CERAMIC CHIP		10%	16V		C901	1-126-939-11	ELECT	10000µF	20%	16V
C540	1-126-767-11	ELECT	1000μF	20%	16V		C902	1-126-947-11	ELECT	47μF	20%	25V
C541	1-162-961-11	CERAMIC CHIP	330pF	10%	50V			CONNECTOR				
C542	1-126-941-11	ELECT		20%	25V			CONNECTOR				
C547	1-126-767-11	ELECT		20%	16V		CN501	1-695-915-11	TAB (CONTACT)			
C548	1-162-966-11	CERAMIC CHIP		10%	50V		CN502	1-695-915-11	TAB (CONTACT)			
C549	1-162-966-11	CERAMIC CHIP	0.0022µF		50V		CN503	1-580-843-11	PIN, CONNECTOR (PO	WER)		
00.0		0	0.00 <u></u> p.	, ,			CN507	1-764-812-11	CONNECTOR, BOARD	TO BOARD	ı	11P
C550	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V	*	CN508	1-779-892-11	CONNECTOR, BOARD	TO BOARD		10P
C551	1-126-933-11	ELECT	100µF	20%	16V							
C553	1-126-767-11	ELECT		20%	16V	*	CN509	1-779-892-11	CONNECTOR, BOARD	TO BOARD		10P
C554	1-126-933-11	ELECT		20%	16V		CN510	1-793-494-11	CONNECTOR, BOARD	TO BOARD		40P
C555	1-126-933-11	ELECT		20%	16V	*	CN511	1-564-509-11	PLUG,CONNECTOR			6P
			'			*	CN514	1-766-240-11	PIN,CONNECTOR (PC	BOARD)		2P
C556	1-126-767-11	ELECT	1000µF	20%	16V		CN515	1-695-915-11	TAB (CONTACT)			
C558	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V							
C559	1-162-927-11	CERAMIC CHIP	100pF	5%	50V		CN516	1-695-915-11	TAB (CONTACT)			
C560	1-126-935-11	ELECT		20%	16V		CN517	1-695-915-11	TAB (CONTACT)			
C561	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		CN518	1-695-915-11	TAB (CONTACT)			
			·				CN519	1-695-915-11	TAB (CONTACT)			
C562	1-126-964-11	ELECT	10µF	20%	50V		CN520	1-695-915-11	TAB (CONTACT)			
C563	1-126-947-11	ELECT	47µF	20%	25V							
C564	1-162-966-11	CERAMIC CHIP		10%	50V	*	CN521	1-564-511-11	PLUG,CONNECTOR	8P		
C565	1-115-156-11	CERAMIC CHIP	1µF		10V	*	CN524	1-564-515-11	PLUG,CONNECTOR	12P		
C566	1-162-961-11	CERAMIC CHIP		10%	50V	*	CN526	1-564-508-11	PLUG,CONNECTOR	5P		
						*	CN527	1-564-511-61	PLUG,CONNECTOR	8P		
C567	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V	*	CN528	1-564-507-11	PLUG,CONNECTOR	4P		
C569	1-126-767-11	ELECT		20%	16V							
C572	1-104-665-11	ELECT		20%	25V	*	CN900	1-564-508-11	PLUG,CONNECTOR	5P		
C574	1-126-960-11	ELECT		20%	50V	*	CN901	1-564-507-11	PLUG,CONNECTOR	4P		



Display Dis	REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
D6594 B-719-991-33 DIODE SS1933-77 D659 B-719-991-33 DIODE SS1933-77 D759 B-719-991-33 DIODE SS1933-77 D7		DIODE			IC508	6-702-490-01	IC TA8258H	
D656 8719-991-33 DIODE ISSIST-77 DIODE	DEOO	0.740.544.40	DIODE CAVIDOO		IC901	8-759-450-47	IC BA05T	
Debt								
D908 8-719-991-33 DIODE ISSI 337-77 JR501 1-216-864-11 SHORT CHIP 0 D100 D110 8-719-991-33 DIODE ISSI 337-77 JR502 1-216-864-11 SHORT CHIP 0 D110 D110 R-719-991-33 DIODE ISSI 337-77 JR503 1-216-864-11 SHORT CHIP 0 D1510 R-719-991-33 DIODE ISSI 337-77 JR505 1-216-864-11 SHORT CHIP 0 D1510 R-719-991-33 DIODE ISSI 337-77 JR505 1-216-864-11 SHORT CHIP 0 D1510 R-719-991-33 DIODE ISSI 337-77 JR505 1-216-864-11 SHORT CHIP 0 D1510 R-719-991-33 DIODE ISSI 337-77 JR505 1-216-864-11 SHORT CHIP 0 D1510 R-719-991-33 DIODE ISSI 337-77 JR505 1-216-864-11 SHORT CHIP 0 D1510 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 1-216-864-11 SHORT CHIP 0 D1520 R-719-991-33 DIODE ISSI 337-77 JR515 R-719-991-33 DIODE IS						CHIP CONDUC	<u>TOR</u>	
D509 8-719-991-33 D100E ISS133T-77					IDEA	1 010 001 11	OLIOPT OLUP	•
D510 8-719-991-33								
D510	D303	0-7 19-99 1-00	DIODE 1001001-11					
D611	D510	8_719_991_33	DIODE 188133T-77					•
D515 8-719-991-33 DIODE 1SS1337-7 JR506 1-216-864-11 SHORT CHIP 0 D517 8-719-991-33 DIODE 1SS1337-7 JR500 1-216-864-11 SHORT CHIP 0 JR501 1-216-864-11 SHORT CHIP 0 JR501 1-216-864-11 SHORT CHIP 0 JR502 8-719-991-33 DIODE 1SS1337-7 JR510 1-216-864-11 SHORT CHIP 0 JR502 8-719-991-33 DIODE 1SS1337-7 JR513 1-216-864-11 SHORT CHIP 0 D521 8-719-991-33 DIODE 1SS1337-7 JR513 1-216-864-11 SHORT CHIP 0 D521 8-719-991-33 DIODE 1SS1337-7 JR514 1-216-864-11 SHORT CHIP 0 D524 8-719-991-33 DIODE 1SS1337-7 JR514 1-216-864-11 SHORT CHIP 0 D524 8-719-991-33 DIODE 1SS1337-7 JR514 1-216-864-11 SHORT CHIP 0 D526 8-719-991-33 DIODE 1SS1337-7 JR516 1-216-864-11 SHORT CHIP 0 D526 8-719-991-33 DIODE MTZJ-T-72-18 D526 8-719-991-33 DIODE MTZJ-T-72-18 D526 8-719-991-33 DIODE MTZJ-T-72-28 D526 S-719-991-33 DIODE SS1337-7 D546 S-719-991-33 DIODE SS1337-7 D546 S-719-991-33 DIODE SS1337-7 D547 D547 S-719-991-33 DIODE SS1337-7 D548 S-719-991-33								
D516 8-719-991-33 DIODE 1SS133T-77 JR506 1-216-884-11 SHORT CHIP 0 D1 D1 D1 D1 D1 D1 D1					JKOUO	1-210-004-11	SHUKI CHIP	U
D517 8-719-991-33 DIODE ISS133T-77					IDEOG	1 216 964 11	CHODT CHID	0
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D521 8-719-991-33 DIODE 18S133T-77 JR514 1-216-864-11 SHORT CHIP 0								
D522 8-719-991-33 DIODE 1SS133T-77 JR514 1-216-864-11 SHORT CHIP 0					01/010	1-2 10-00 1- 11	OHORT OHE	V
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D526 8-719-991-33								
D528 8-719-901-33 D10DE 1SS133T-77 D530 8-719-924-13 D10DE MTZ-I-T7-22B L501 1-469-320-21 INDUCTOR 10µH L502 1-412-255-31 INDUCTOR 10µH L503 8-719-924-13 D10DE ISS133T-77 L504 8-719-991-33 D10DE 1SS133T-77 L505 1-469-320-21 INDUCTOR 10µH L503 1-469-320-21 INDUCTOR 10µH L503 1-469-320-21 INDUCTOR 10µH L504 1-469-320-21 INDUCTOR 10µH L504 1-469-320-21 INDUCTOR 10µH L504 1-469-320-21 INDUCTOR 10µH L504 1-469-320-21 INDUCTOR 10µH L505 1-469-320-21 INDUCTOR 10µH L505 1-469-320-21 INDUCTOR 10µH L505 1-469-320-21 INDUCTOR 10µH L505 1-469-320-21 INDUCTOR 10µH L506 1-469-320-21 INDUCTOR 10µH L507 1-469-320-21 INDUCTOR 10µH L507 1-469-320-21 INDUCTOR 10µH L507 1-469-320-21 INDUCTOR 10µH L507 1-469-317-21 10µH L507 1-469-317-21 10µH L507 1-469-317-21 10µH L507 1-469-317-21 10µH L								
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D531	D529	8-719-991-33	DIODE 1SS133T-77			COIL		
D534 8-719-991-33 DIODE 1SS133T-77 D535 8-719-991-33 DIODE 1SS133T-77 D540 8-719-991-33 DIODE 1SS133T-77 D541 8-719-991-33 DIODE 1SS133T-77 D541 8-719-991-33 DIODE 1SS133T-77 D542 8-719-991-33 DIODE 1SS133T-77 D543 8-719-991-33 DIODE 1SS133T-77 D544 8-719-991-33 DIODE 1SS133T-77 D544 8-719-991-33 DIODE 1SS133T-77 D545 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D547 8-719-063-70 DIODE DINL2OU-TA2 FUSE FUSE FISE HOLDER FISE HOLDER FISE HOLDER FISE HOLDER FISH OLDER, FUSE CO500 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX CO500 8-729-424-02 TR	D530	8-719-924-13	DIODE MTZJ-T-77-22B		L501	1-469-320-21	INDUCTOR	100μH
D534 8-719-991-33 DIODE 1SS133T-77 D540 8-719-991-33 DIODE 1SS133T-77 D541 8-719-991-33 DIODE 1SS133T-77 D541 8-719-991-33 DIODE 1SS133T-77 D542 8-719-991-33 DIODE 1SS133T-77 D543 8-719-991-33 DIODE 1SS133T-77 D544 8-719-991-33 DIODE 1SS133T-77 D545 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D547 8-719-091-33 DIODE 1SS133T-77 D548 8-719-991-33 DIODE 1SS133T-77 D549 8-719-991-33 DIODE 1SS133T-77 D540 8-719-991-30 DIODE 1SS133T-77 D540 8-719-991-30 DIODE 1SS133T-77 D540 8-719-991-30 DIODE 1SS133T-77 D540 8-719-991-30 DIODE 1SS133T-77 D540 8-719-991-30 DIODE 1SS133T-79 D540 8-719-991-	D531	8-719-924-13	DIODE MTZJ-T-77-22B		L502	1-412-525-31	INDUCTOR	10μH
D535					L503	1-469-320-21	INDUCTOR	100µH
D540 8-719-991-33 DIODE 1SS133T-77 D541 8-719-991-33 DIODE 1SS133T-77 D542 8-719-991-33 DIODE 1SS133T-77 D543 8-719-991-33 DIODE 1SS133T-77 D544 8-719-991-33 DIODE 1SS133T-77 D544 8-719-991-33 DIODE 1SS133T-77 D544 8-719-991-33 DIODE 1SS133T-77 D545 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D547 B-719-063-70 DIODE DINL20U-TA2 FUSE F501 1-532-506-51 FUSE 6.3A/250V FUSE F1501 1-532-2501 HOLDER, FUSE 6.3A/250V FUSE F1501 1-533-223-11 HOLDER, FUSE Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX TR	D534	8-719-991-33	DIODE 1SS133T-77		L504	1-469-317-21	INDUCTOR	10μH
D541	D535	8-719-991-33	DIODE 1SS133T-77		L505	1-469-320-21	INDUCTOR	100μH
D542	D540	8-719-991-33	DIODE 1SS133T-77					
L508	D541	8-719-991-33	DIODE 1SS133T-77		L506	1-469-320-21	INDUCTOR	100μH
D543 8-719-991-33 DIODE 1SS133T-77 D544 8-719-991-33 DIODE 1SS133T-77 D545 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D901 8-79-063-70 DIODE D1NL20U-TA2 FUSE FUSE FUSE FUSE 6.3A/250V FUSE HOLDER FUSE HOLDER FISH HOLDER, FUSE IC Q500 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q505 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q507 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q508 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-422-27 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q509 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q509 8-729-422-27 TRANSISTOR 2SB709A-QRS-TX	D542	8-719-991-33	DIODE 1SS133T-77		L507	1-469-317-21	INDUCTOR	10μH
D544 8-719-991-33 DIODE 1SS133T-77 D545 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D901 8-719-063-70 DIODE D1NL20U-TA2 FUSE FUSE FUSE 6.3A/250V FUSE 1-532-506-51 FUSE 6.3A/250V FUSE 1-502 1-532-223-11 HOLDER, FUSE Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q510 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q510 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q511 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q511 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q511 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q511 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q511 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q511 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q511 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q511 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q512 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q512 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q512 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q512 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q512 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q512 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q512 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q513 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q513 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q513 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q513 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q513 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q513 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q513 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q513 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q513 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX					L508	1-412-529-11	INDUCTOR	22µH
D545 8-719-991-33 DIODE 1SS133T-77 D546 8-719-991-33 DIODE 1SS133T-77 D901 8-719-063-70 DIODE D1NL20U-TA2 FUSE FUSE FUSE FUSE 6.3A/250V Conceptual Proof-10 Pr			DIODE 1SS133T-77			1-437-479-11		
D546 8-719-991-33 DIODE 1SS133T-77 D901 8-719-063-70 DIODE D1NL20U-TA2 FUSE FUSE FUSE 6.3A/250V FUSE 6.3A/250V C501 1-533-223-11 HOLDER, FUSE 6.3A/250V FH501 1-533-223-11 HOLDER, FUSE C506-51		8-719-991-33			<u> </u>	1-437-479-11	TRANSFORMER, LIN	NE FILTER
D901 8-719-063-70 DIODE D1NL20U-TA2								
FUSE F501 1-532-506-51 FUSE 6.3A/250V FUSE HOLDER FH501 1-533-223-11 HOLDER, FUSE 6.3A/250V FH501 1-533-223-11 HOLDER, FUSE 6.3A/250V □C □C □C □C □C □C □C □C □C □						IC LINK		
FUSE F501 1-532-506-51 FUSE 6.3A/250V Q503 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q504 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q505 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q507 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q508 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q509 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q510 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q510 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q510 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q510 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q511 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q512 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q513 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q514 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q515 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q516 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q517 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q518 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q519 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q510 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q511 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q512 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q513 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q513 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX	D901	8-719-063-70	DIODE D1NL20U-TA2		↑ D0500	1 522 004 11	1 INIV 10 24/00V	
TRANSISTOR TRA					Z:\ F3302	1-332-304-11	LINK, IO ZA/30V	
F501 1-532-506-51 FUSE 6.3A/250V Q503 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q504 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q505 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q505 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q507 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q509 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q509 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q50		<u>FUSE</u>				TRANSISTOR		
Q503	∕\ F501	1-532-506-51	FUSE	6 3A/250V		IRANSISTOR		
C C C C C C C C C C		1 002 000 01	1002	0.0/ (200 (Q503	8-729-424-02	TRANSISTOR 2SB70	9A-QRS-TX
Q505 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q506 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q507 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q509 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q509 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q510 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q510 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX Q510 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q511 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q512 8-729-424-02 TRANSISTOR 2SD601A-QRS-TX Q513 8-729-422-27 TRANSISTOR 2SB709A-QRS-TX Q513 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q513 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q513 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q514 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q515 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q516 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q517 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q518 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q519 9-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q519 9-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q519 9-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q519 9-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q519 9-729-422		EUCE HOLDED				8-729-424-02	TRANSISTOR 2SB70	9A-QRS-TX
C		FUSE HULDER			Q505	8-729-424-02	TRANSISTOR 2SB70	9A-QRS-TX
IC Q509 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX Q510 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX IC501 8-759-450-47 IC BA05T Q511 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX IC502 8-759-520-49 IC PQ30RV21 Q512 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX IC504 6-700-898-01 IC PQ05RD21 Q513 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX	FH501	1-533-223-11	HOLDER, FUSE		Q506	8-729-424-02	TRANSISTOR 2SB70	9A-QRS-TX
Q510 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX IC501 8-759-450-47 IC BA05T Q511 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX IC502 8-759-520-49 IC PQ30RV21 Q512 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX IC504 6-700-898-01 IC PQ05RD21 Q513 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX	FH502	1-533-223-11	HOLDER, FUSE		Q507	8-729-422-27	TRANSISTOR 2SD60)1A-QRS-TX
Q510 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX IC501 8-759-450-47 IC BA05T Q511 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX IC502 8-759-520-49 IC PQ30RV21 Q512 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX IC504 6-700-898-01 IC PQ05RD21 Q513 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX								
Q510		<u>IC</u>			Q509	8-729-422-27	TRANSISTOR 2SD60)1A-QRS-TX
IC502 8-759-520-49 IC PQ30RV21 Q512 8-729-424-02 TRANSISTOR 2SB709A-QRS-TX IC504 6-700-898-01 IC PQ05RD21 Q513 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX					Q510	8-729-424-02	TRANSISTOR 2SB70	9A-QRS-TX
IC504 6-700-898-01 IC PQ05RD21 Q513 8-729-422-27 TRANSISTOR 2SD601A-QRS-TX					Q511	8-729-422-27	TRANSISTOR 2SD60)1A-QRS-TX
QOTO OTZO 4ZZ ZT TIVINOIOTON ZODOVIN QNO TX					Q512	8-729-424-02	TRANSISTOR 2SB70	9A-QRS-TX
1U3U3 8-739-653-07 IU PQU9KD2T					Q513	8-729-422-27	TRANSISTOR 2SD60	01A-QRS-TX
	IC505	o-759-053-07	IC PQ09RD21					



	REF. NO.	PART NO.	DESCRIPTION	VALUE	s			REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
	Q514	8-729-424-02	TRANSISTOR 2SB709.	A-QRS-TX				R543	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
	Q517	8-729-422-27	TRANSISTOR 2SD601.	A-QRS-TX				R544	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	Q518	8-729-422-27	TRANSISTOR 2SD601.	A-QRS-TX				R545	1-216-805-11	RES-CHIP	47	5%	1/10W
	Q519	8-729-422-27	TRANSISTOR 2SD601.	A-QRS-TX				R546	1-216-805-11	RES-CHIP	47	5%	1/10W
	Q520	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX				R547	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
	Q521	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX				R548	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	Q524	8-729-422-27	TRANSISTOR 2SD601.	A-QRS-TX				R550	1-216-845-11	RES-CHIP	100K	5%	1/10W
	Q527	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX				R551	1-216-833-11	RES-CHIP	10K	5%	1/10W
	Q528	8-729-422-27	TRANSISTOR 2SD601.	A-QRS-TX				R552	1-216-837-11	RES-CHIP	22K	5%	1/10W
								R553	1-216-821-11	RES-CHIP	1K	5%	1/10W
		RESISTOR						R554	1-216-864-11	SHORT CHIP	0		
	R501	1-216-864-11	SHORT CHIP	0				R555	1-216-833-11	RES-CHIP	10K	5%	1/10W
<u>^</u>	R508	1-219-776-11	CARBON	2.2M	10%	1/2W		R556	1-216-839-11	RES-CHIP	33K	5%	1/10W
<u>^</u>	R509	1-244-270-11	CEMENTED	0.47	5%	20W		R557	1-216-821-11	RES-CHIP	1K	5%	1/10W
<u>^</u>	R510	1-244-270-11	CEMENTED	0.47	5%	20W		R558	1-216-857-11	RES-CHIP	1M	5%	1/10W
	R511	1-216-849-11	RES-CHIP	220K	5%	1/10W							
								R559	1-216-847-11	RES-CHIP	150K	5%	1/10W
	R512	1-216-849-11	RES-CHIP	220K	5%	1/10W		R560	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
	R513	1-216-833-11	RES-CHIP	10K	5%	1/10W		R561	1-216-833-11	RES-CHIP	10K	5%	1/10W
	R515	1-216-833-11	RES-CHIP	10K	5%	1/10W		R562	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	R516	1-216-857-11	RES-CHIP	1M	5%	1/10W		R563	1-216-823-11	RES-CHIP	1.5K	5%	1/10W
	R517	1-216-805-11	RES-CHIP	47	5%	1/10W							
								R564	1-216-847-11	RES-CHIP	150K	5%	1/10W
	R518	1-216-805-11	RES-CHIP	47	5%	1/10W		R565	1-216-821-11	RES-CHIP	1K	5%	1/10W
	R519	1-216-839-11	RES-CHIP	33K	5%	1/10W		R570	1-216-833-11	RES-CHIP	10K	5%	1/10W
	R520	1-216-837-11	RES-CHIP	22K	5%	1/10W		R571	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	R521	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R572	1-216-809-11	RES-CHIP	100	5%	1/10W
	R522	1-216-829-11	RES-CHIP	4.7K	5%	1/10W							
								R573	1-216-847-11	RES-CHIP	150K	5%	1/10W
	R523	1-216-837-11	RES-CHIP	22K	5%	1/10W		R574	1-216-809-11	RES-CHIP	100	5%	1/10W
	R524	1-216-833-11	RES-CHIP	10K	5%	1/10W		R577	1-216-821-11	RES-CHIP	1K	5%	1/10W
	R525	1-216-833-11	RES-CHIP	10K	5%	1/10W		R579	1-216-821-11	RES-CHIP	1K	5%	1/10W
	R526	1-216-837-11	RES-CHIP	22K	5%	1/10W		R581	1-216-864-11	SHORT CHIP	0		
	R527	1-216-343-00	METAL OXIDE	0.33	5%	1W					•		
	R528	1-216-833-11	RES-CHIP	10K	5%	1/10W		R582	1-216-864-11	SHORT CHIP	0	=0/	4/4014/
	R529	1-216-857-11	RES-CHIP	1M	5%	1/10W		R585	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
	R530		RES-CHIP	150K	5% 5%	1/10W		R586	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
	R531	1-216-847-11	RES-CHIP	150K	5% 5%	1/10W		R588	1-216-833-11	RES-CHIP	10K	5%	1/10W
	R532	1-216-821-11 1-216-825-11	RES-CHIP	2.2K	5% 5%	1/10W		R589	1-216-833-11	RES-CHIP	10K	5%	1/10W
	NJJZ	1-210-025-11	NEO-CHIF	Ζ.ΔΙ\	J /0	1/1000		D504	1 010 001 11	DEO OLUD	417	5 0/	4/40\\
	R533	1-216-833-11	RES-CHIP	10K	5%	1/10W	1	R591	1-216-821-11	RES-CHIP	1K	5%	1/10W
	R534	1-218-716-11	METAL CHIP	10K		1/16W		R593	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	R535	1-218-722-11	METAL CHIP	18K		1/16W	1	R595	1-216-821-11	RES-CHIP	1K	5%	1/10W
	R537	1-218-750-11	METAL CHIP	270K		1/16W		R596	1-216-833-11	RES-CHIP	10K	5%	1/10W
	R538	1-216-730-11	RES-CHIP	1.5K	5%	1/10W	1	R598	1-216-833-11	RES-CHIP	10K	5%	1/10W
	11000	1-2 10 - 020-11	INEO-OFIII	I.JI\	J /0	1/ 1/ 1/ 1/ 1/ 1		R599	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
	R540	1-216-821-11	RES-CHIP	1K	5%	1/10W		R601	1-216-821-11	RES-CHIP	1K	5%	1/10W
	R541	1-216-833-11	RES-CHIP	10K	5%	1/10W	1	R602	1-216-833-11	RES-CHIP	10K	5%	1/10W
	R542	1-216-821-11	RES-CHIP	1K	5%	1/10W	1	R603	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
							I	11000	, 210 020 TI	1,20 01111	1.11	O 70	1, 1011



	REF. NO.	PART NO.	DESCRIPTION	VALUE	ES			REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
	R605	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		C2807	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
	R606	1-216-833-11	RES-CHIP	10K	5%	1/10W		C2808	1-126-601-11	ELECT CHIP	2.2µF	20%	50V
	R607	1-216-833-11	RES-CHIP	10K	5%	1/10W		C2809	1-117-681-11	ELECT CHIP	100µF	20%	16V
	R610	1-216-821-11	RES-CHIP	1K	5%	1/10W		C2810	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	R611	1-216-833-11	RES-CHIP	10K	5%	1/10W		C2811	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	R617	1-249-385-11	CARBON	2.2	5%	1/4W		C2812	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
	R622	1-249-385-11	CARBON	2.2	5%	1/4W		C2813	1-123-031-11	CERAMIC CHIP	0.47μ1 0.1μF	10%	16V
	R631	1-249-429-11	CARBON	10K	5%	1/4W		C2814	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	R632	1-249-429-11	CARBON	10K	5%	1/4W		C2815	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	R634	1-216-837-11	RES-CHIP	22K	5%	1/10W		C2816	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	R635	1-216-833-11	RES-CHIP	10K	5%	1/10W		C2817	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	R636	1-216-833-11	RES-CHIP	10K	5%	1/10W		C2818	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
	R643	1-216-864-11	SHORT CHIP	0				C2819	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	R645	1-216-864-11	SHORT CHIP	0				C2820	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	R647	1-216-833-11	RES-CHIP	10K	5%	1/10W		C2821	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	R904	1-216-393-00	METAL OXIDE	2.2	5%	3W		C2822	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
		TDANCEODMED						C2823	1-117-681-11	ELECT CHIP	100μF	20%	16V
		TRANSFORMER						C2824	1-117-681-11	ELECT CHIP	100μΓ 100μF	20%	16V
<u></u>	T502	1-437-697-11	TRANSFORMER, STA	NDBY				C2825	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
			,					C2826	1-164-156-11	CERAMIC CHIP	0.001µF	10 /0	25V
		TUNER						02020	1 101 100 11	OLI VIIIIO OTIII	υ. τμι		201
	THEOA	0.500.504.00	TUNED FOO DIE FAA	04				C2827	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	TU501	8-598-594-30	TUNER, FSS BTF-FA4					C2828	1-110-563-11	CERAMIC CHIP	0.068µF	10%	16V
	TU502	8-598-593-50	TUNER, FSS BTF-WA	421				C2829	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
								C2830	1-128-996-11	ELECT CHIP	4.7µF	20%	50V
		VARISTOR						C2831	1-117-681-11	ELECT CHIP	100µF	20%	16V
<u>^</u> !\	VD501	1-801-074-11	VARISTOR ERZV10D2	271				C2833	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
	<u> </u>							C2834	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
11	⊰ ∣							C2835	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	<u></u>							C2836	1-164-156-11	CERAMIC CHIP	0.1µF	1070	25V
			epairable. If service i r to order a complete			ard.		C2837	1-117-681-11	ELECT CHIP	100µF	20%	16V
		rovided for refer	•	.1		-		00040	4.407.000.11	OED 4110 C: ""	0.4 =	4001	40) (
							1	C2840	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	*	A-1300-407-A	B BOARD, COMPL	ETE				C2841	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
								C2842	1-117-681-11	ELECT CHIP	100µF	20%	16V
		4-034-937-01	SCREW (M3), TAPPIN	G				C2843	1-164-156-11	CERAMIC CHIP	0.1µF	000/	25V
	*	4-088-898-01	CARTON					C2844	1-117-681-11	ELECT CHIP	100µF	20%	16V
	*	7-322-065-48	RUBBER, SILICONE F	RTV (KE-349	90)			C204E	1 117 601 11	ELECT CHID	100⊏	200/	16\/
								C2845	1-117-681-11	ELECT CHIP	100µF	20%	16V
		CAPACITOR						C2846	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
								C2847	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
	C2801	1-117-681-11	ELECT CHIP	100µF	20%	16V		C2849	1-162-966-11	CERAMIC CHIP	0.0022µF		50V
	C2802	1-164-156-11	CERAMIC CHIP	0.1μF	ZU /0	25V		C2850	1-117-681-11	ELECT CHIP	100µF	20%	16V
	C2804	1-162-923-11	CERAMIC CHIP	47pF	5%	50V	1	C2851	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	C2805	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C2859	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	C2806	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	1	C2860	1-126-206-11	ELECT CHIP	0.1μ1 100μF	20%	6.3V
		· ·		- · · · · r ·	/ •			C2861	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V



REF. NO.	PART NO.	DESCRIPTION	VALUE	:s			REF. NO.	PART NO.	DESCRIPTION	VALUI	ES	
C3004	1-126-206-11	ELECT CHIP	100µF	20%	6.3V		C3096	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3005	1-126-204-11	ELECT CHIP	47µF	20%	16V		C3097	1-128-359-11	ELECT CHIP	100µF	20%	10V
C3006	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3098	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3008	1-126-204-11	ELECT CHIP	47µF	20%	16V		C3101	1-162-925-11	CERAMIC CHIP	68pF	5%	50V
C3009	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3102	1-162-925-11	CERAMIC CHIP	68pF	5%	50V
										'		
C3011	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3103	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3012	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3301	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3013	1-128-391-11	ELECT CHIP	330µF	20%	6.3V		C3302	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3014	1-128-391-11	ELECT CHIP	330µF	20%	6.3V		C3303	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3015	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3304	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3016	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3305	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3017	1-125-837-91	CERAMIC CHIP	0.1μF	10%	6.3V		C3307	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3018	1-164-156-11	CERAMIC CHIP	0.1µF	1070	25V		C3308	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3019	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3309	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3020	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3313	1-164-156-11	CERAMIC CHIP	0.1µF	2070	25V
										· r		
C3021	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3314	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3023	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V		C3315	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3024	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V		C3316	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3025	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3317	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3026	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3318	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3027	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3319	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3028	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3325	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3029	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3326	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3030	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3329	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3031	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3333	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3032	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3334	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3033	1-109-982-11	CERAMIC CHIP	1µF	10%	10V		C3335	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3034	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3337	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3035	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3341	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3036	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3343	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3037	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3349	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3038	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3350	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3039	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3351	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3040	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3357	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3041	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3358	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3042	1-128-391-11	ELECT CHIP	330µF	20%	6.3V		C3359	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3044	1-164-156-11	CERAMIC CHIP	0.1μF	20 /0	25V		C3360	1-164-156-11	CERAMIC CHIP	47μ1 0.1μF	20 /0	25V
C3046	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3363	1-126-204-11	ELECT CHIP	47μF	20%	16V
C3047	1-126-204-11	ELECT CHIP	47μF	20%	16V		C3364	1-164-156-11	CERAMIC CHIP	47μ1 0.1μF	20 /0	25V
C3048	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3365	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3049	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3366	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3089	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3367	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3090	1-126-204-11	ELECT CHIP	47µF	20%	16V		C3368	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3095	1-128-391-11	ELECT CHIP	330µF	20%	6.3V	1	C3369	1-164-156-11	CERAMIC CHIP	0.1µF		25V



REF. NO.	PART NO.	DESCRIPTION	VALUE	S			REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
C3370	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3465	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3371	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3466	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3372	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3467	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3374	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3468	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3375	1-127-760-11	CERAMIC CHIP	4.7µF	10%	6.3V		C3469	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3376	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3470	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3377	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3473	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3378	1-126-204-11	ELECT CHIP	47µF	20%	16V		C3474	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3379	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3475	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3401	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3476	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3402	1-126-394-11	ELECT CHIP	10µF	20%	16V		C3477	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3403	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3478	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3404	1-126-206-11	ELECT CHIP	100µF	20%	6.3V		C3479	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3405	1-126-206-11	ELECT CHIP	100µF	20%	6.3V		C3480	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3406	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3481	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3407	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3482	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3408	1-126-206-11	ELECT CHIP	100µF	20%	6.3V		C3483	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3409	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3484	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C3410	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3485	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3411	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3486	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3411	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V		C3487	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V
C3412	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V		C3488	1-104-130-11	ELECT CHIP	0. τμι- 10μF	20%	16V
C3413	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V		C3489	1-124-779-00	CERAMIC CHIP	0.1μF	20 /0	25V
C3414	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V		C3409	1-104-130-11	ELECT CHIP	0. τμι- 10μF	20%	16V
03417	1-104-130-11	CLIVAIVIIC CI III	υ. τμι		257		00430	1-124-113-00	LLLOT OTIII	τομι	20 /0	10 V
C3418	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3491	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3424	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3492	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3426	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3493	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3428	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3494	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3431	1-126-204-11	ELECT CHIP	47µF	20%	16V		C3495	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3435	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3496	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3436	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3499	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3439	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3500	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3440	1-162-916-11	CERAMIC CHIP	12pF	5%	50V		C3501	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3441	1-162-916-11	CERAMIC CHIP	12pF	5%	50V		C3601	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3442	1-124-779-00	ELECT CHIP	10µF	20%	16V		C3602	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3444	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3604	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3446	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3605	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3449	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3606	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3450	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3607	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3452	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3608	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3452	1-162-923-11	CERAMIC CHIP	0.1μF 47pF	5%	50V		C3610	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V
C3462	1-164-156-11	CERAMIC CHIP	47μF	J /0	25V		C3611	1-164-156-11	CERAMIC CHIP	0.1µF		25V 25V
C3463	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3613	1-126-206-11	ELECT CHIP	0.1µ1 100µF	20%	6.3V
C3464	1-164-156-11	CERAMIC CHIP	0.1μF		25V		C3614	1-164-156-11	CERAMIC CHIP	0.1μF	20 /0	25V
55707	. 101 100 11	JEIV WIII OI III	ο. ιμι		201	I	50017	. 101 100 11	JEIV WIII OI III	υ. τμι		201



REF. NO.	PART NO.	DESCRIPTION	VALUES	8			REF. NO.	PART NO.	DESCRIPTION	VALUE	s	
C3615	1-124-779-00	ELECT CHIP	10µF	20%	16V		C8639	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3617	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C8640	1-117-370-11	CERAMIC CHIP	10µF		10V
C3618	1-127-760-11	CERAMIC CHIP	4.7µF	10%	6.3V		C8641	1-117-370-11	CERAMIC CHIP	10μF		10V
C3619	1-126-206-11	ELECT CHIP	100µF	20%	6.3V		C8642	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3620	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C8643	1-164-156-11	CERAMIC CHIP	0.1µF		25V
00020	1 107 020 11	OLIV WIIO OI III	0.1μ1	10 /0	101		00040	1 104 100 11	OLIV WIIO OI III	υ. τμι		201
C3622	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C8644	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3623	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C8645	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3624	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C8646	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3626	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C8647	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3627	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C8648	1-164-156-11	CERAMIC CHIP	0.1µF		25V
02620	1 104 156 11	CEDAMIC CUID	0.1		25V		C0640	1 164 156 11	CEDAMIC CHID	0.1		25V
C3628	1-164-156-11 1-126-394-11	CERAMIC CHIP ELECT CHIP	0.1µF	20%	25V 16V		C8649 C8650	1-164-156-11	CERAMIC CHIP ELECT CHIP	0.1µF	20%	25 V 16 V
C3629			10μF		16V			1-126-204-11		47µF	20%	
C3630	1-126-394-11	ELECT CHIP	10µF	20%			C8651	1-164-156-11	CERAMIC CHIP	0.1µF	200/	25V
C3906	1-126-204-11	ELECT CHIP	47μF	20%	16V		C8652	1-128-994-21	ELECT CHIP	47μF	20%	10V
C3912	1-126-206-11	ELECT CHIP	100µF	20%	6.3V		C8653	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8601	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C8654	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C8602	1-127-692-11	CERAMIC CHIP	10µF	10%	6.3V		C8655	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8603	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C8656	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8604	1-127-692-11	CERAMIC CHIP	10μF	10%	6.3V		C8657	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8605	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V			CONNECTOR				
C8606	1-127-692-11	CERAMIC CHIP	10µF	10%	6.3V	*	CN2801	1-564-506-11	PLUG,CONNECTOR		3P	
C8607	1-164-156-11	CERAMIC CHIP	0.1µF	2221	25V	*	CN2802	1-564-506-11	PLUG,CONNECTOR		3P	
C8608	1-128-934-91	CERAMIC CHIP	0.33µF	20%	10V	*	CN2803	1-564-508-11	PLUG,CONNECTOR		5Р	
C8609	1-162-967-11	CERAMIC CHIP	0.0033µF	10%	50V		CN2805	1-764-334-11	PLUG,CONNECTOR		эг 11Р	
C8610	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	*	CN2806	1-564-510-11	PLUG,CONNECTOR		7P	
C8611	1-162-927-11	CERAMIC CHIP	100pF 100pF	5% 5%	50V 50V		0112000	1 001 010 11	1200,001111201011			
C8612	1-102-927-11	CERAMIC CHIP		10%	16V	*	CN3602	1-793-141-21	PIN,CONNECTOR (PC	BOARD)	15P	
C8613			0.1µF	10%	16V	*	CN3603	1-815-177-12	PIN,CONNECTOR (WIT	,		
C8615	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		0110000	1010 111 12	1111,001111201011 (1111	TT OTTLED)	221	
C0013	1-107-826-11	CERAMIC CHIP	0.1µF	10%	100			DIODE				
C8617	1-164-156-11	CERAMIC CHIP	0.1µF		25V							
C8621	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D2803	8-719-404-50	DIODE MA111-TX			
C8622	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D2806	8-719-069-55	DIODE UDZSTE-175.6	3		
C8623	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D2807	8-719-404-50	DIODE MA111-TX			
C8624	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D3001	8-719-404-50	DIODE MA111-TX			
							D3002	8-719-083-58	DIODE UDZSTE-173.98	3		
C8625	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D2000	0.740.000.70	DIODE MAJES TV			
C8630	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D3089	8-719-800-76	DIODE MA153-TX			
C8631	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D3090	8-719-800-76	DIODE MA153-TX			
C8632	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D3309	8-719-914-43	DIODE DAN202K-T-146			
C8633	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D3310 D3401	8-719-914-44 8-719-914-43	DIODE DAP202K-T-146 DIODE DAN202K-T-146			
00004	4 405 007 04	CEDAMIC CLUB	4⊏	400/	0.01/		D0401	U-110-0114-40	DIODE DANZUZN-1-140	,		
C8634	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V		D3402	8-719-914-44	DIODE DAP202K-T-146	;		
C8635	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V		D3403	8-719-978-33	DIODE UDZSTE-176.8			
C8636	1-164-156-11	CERAMIC CHIP	0.1µF		25V							
C8637	1-164-156-11	CERAMIC CHIP	0.1µF	000/	25V							
C8638	1-128-994-21	ELECT CHIP	47µF	20%	10V							



REF. NO.	PART NO.	DESCRIPTION	VALUES		REF. NO.	PART NO.	DESCRIPTION	VALUES
D3404	8-719-404-50	DIODE MA111-TX			IC3089	8-759-682-41	IC M24C32-WMN6T(A)	
D3601	8-719-800-76	DIODE MA153-TX			IC3090	6-801-376-01	IC MB94918RpF-G-147-	RND
D3603	8-719-083-58	DIODE UDZSTE-173.9B			IC3091	8-759-352-91	IC PST9143NL	
20000	0 7 10 000 00	DIODE ODEOTE 170.00			IC3301	8-759-663-74	IC HY57V161610DTC-7	ΓR
	FEDRITE DEAD				IC3302	6-700-398-01	IC UPC2918T-E1	
	FERRITE BEAD				103302	0-700-330-01	10 01 029101-1	
FB3001	1-500-451-11	FERRITE	0μΗ		IC3303	8-752-410-57	IC CXD2097AQ	
FB3002	1-216-864-11	SHORT CHIP	0		IC3306	8-759-669-78	IC TLC2933IPWR-12	
FB3301	1-414-235-22	FERRITE	0μΗ		IC3401	6-700-399-01	IC UPC2925T-E1	
FB3302	1-414-235-22	FERRITE	0μH		IC3402	8-759-677-37	IC MT48LC2M32B2TG-7	;
FB3303	1-216-809-11	RES-CHIP	100 5%	1/10W	IC3402	8-759-460-29	IC PST9120NL	
				.,	103403	0-733-400-23	10 1 313120INL	
FB3304	1-469-110-21	FERRITE	0μΗ		IC3408	8-759-672-57	IC CXD9509AQ	
FB3401	1-414-235-22	FERRITE	0μΗ		IC3400	8-759-833-72	IC NJM2870F25-TE2	
FB3402	1-414-235-22	FERRITE	0μH					
FB3403	1-216-864-11	SHORT CHIP	0		IC3410	8-752-409-20	IC CXD2309AQ	
FB3601	1-414-228-11	FERRITE	0μH		IC3411	8-759-082-57 6-700-205-01	IC TC7W04FU(TE12R)	
1 00001	1 414 220 11	LIMIL	ομι ι		IC3413	6-700-205-01	IC TC74LVX157FT(EL)	
FB3602	1-414-228-11	FERRITE	0μΗ		100444	0.750.540.50	IO MEGOEEED	
FB3603	1-216-864-11	SHORT CHIP	0		IC3414	8-759-548-56	IC M52055FP	
FB3604	1-216-864-11	SHORT CHIP	0		IC3601	8-759-592-50	IC TC7SZ126FU(TE85R)	
FB3605	1-216-864-11	SHORT CHIP	0		IC3602	8-759-592-49	IC TC7SZ125FU(TE85R)	
FB3606	1-216-864-11	SHORT CHIP	0		IC3603	8-759-639-85	IC SN65LVDS31DR	
FB3000	1-210-004-11	SHOKI GHIF	U		IC3604	6-701-762-11	IC DS90LV028ATMX	
FB3607	1-216-864-11	SHORT CHIP	0		IC3605	8-759-698-08	IC SN74CBTLV1G125D0	CKR
FB3608	1-469-568-21	FERRITE	0μH		IC3606	8-759-641-26	IC NJM2391DL1-33(TE1	
FB3609	1-414-921-11	FERRITE	0μH		IC3608	8-759-669-75	IC TLC2932IPWR	1
FB3610	1-414-921-11	FERRITE	0μH		IC3609	8-759-828-44	IC NJM2870F33(TE2)	
FB3611	1-414-921-11	FERRITE	0μΗ		IC8601	8-752-093-03	IC CXA3506R	
FB3612	1-414-921-11	FERRITE	0μΗ		100001	0 102 000 00	10 0/4 (0000) (
			·			CHIP CONDUCT	<u>ror</u>	
	<u>FILTER</u>				JR3001	1-216-864-11	SHORT CHIP	0
FL3001	1-234-177-21	FERRITE	0μΗ					
FL3002	1-234-177-21	FERRITE	0μΗ			COIL		
FL3301	1-234-558-21	FILTER, LOW PASS	•		L2801	1-469-555-21	INDUCTOR	40LI
FL3302	1-234-557-21	FILTER, LOW PASS						10µH
FL3303	1-234-557-21	FILTER, LOW PASS			L2803	1-469-555-21	INDUCTOR	10μH
					L2804	1-469-555-21	INDUCTOR	10µH
FL3401	1-781-923-21	FILTER, LOW PASS (SM	MD)		L2805	1-469-555-21	INDUCTOR	10μH
FL3602	1-234-494-21	FILTER, EMI REMOVAL			L2806	1-469-555-21	INDUCTOR	10μH
FL8601	1-234-559-21	FILTER, LOW PASS	(- /		1.0007	4 400 555 04	INDUCTOR	40.11
FL8602	1-234-559-21	FILTER, LOW PASS			L2807	1-469-555-21	INDUCTOR	10μH
FL8603	1-234-560-21	FILTER, LOW PASS			L2808	1-469-555-21	INDUCTOR	10μH
0000		, 201111100			L2811	1-469-555-21	INDUCTOR	10μH
	IC				L3001	1-216-295-91	SHORT CHIP	0
	<u>IC</u>				L3002	1-412-026-11	INDUCTOR	1μH
⚠ IC2801	8-752-102-68	IC CXA2170Q			L3004	1-412-026-11	INDUCTOR	1μH
IC3001	6-700-188-01	IC IS41C16256-35K			L3005	1-412-026-11	INDUCTOR	1μΗ
IC3002	8-759-583-47	IC UPC2933T-E1			L3007	1-469-555-21	INDUCTOR	10μH
IC3003	6-701-892-01	IC TC90A90F(BH,DRY)			L3009	1-469-555-21	INDUCTOR	10μH
IC3004	8-759-642-22	IC UPC29M05T-E2			L3010	1-469-555-21	INDUCTOR	10μH
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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
L3011	1-469-555-21	INDUCTOR	10µH	Q2822	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX
L3089	1-414-233-22	FERRITE	0μΗ	Q2823	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX
L3102	1-469-552-21	INDUCTOR	3.3µH	Q3003	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX
L3304	1-469-555-21	INDUCTOR	10µH	Q3005	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX
L3310	1-469-561-21	INDUCTOR	100µH	Q3006	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX
1.0044	4 400 504 04	INDUCTOR	400-11	00007	0.700.400.07	TDANIOIOTOD OODCOA	A ODO TV
L3311	1-469-561-21	INDUCTOR	100µH	Q3007	8-729-422-27	TRANSISTOR 2SD601	** *
L3402	1-412-052-21	INDUCTOR	1μH	Q3008	8-729-422-27	TRANSISTOR 2SD601	
L3405	1-469-555-21	INDUCTOR	10μH	Q3009	8-729-422-27	TRANSISTOR 2SD601	
L3406	1-469-555-21	INDUCTOR	10μH	Q3089	8-729-424-02	TRANSISTOR 2SB709	
L3407	1-469-555-21	INDUCTOR	10μH	Q3090	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX
L3411	1-412-058-11	INDUCTOR	10µH	Q3092	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX
L3412	1-469-555-21	INDUCTOR	10μΗ	Q3093	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX
L3413	1-469-555-21	INDUCTOR	10μΗ	Q3302	8-729-422-27	TRANSISTOR 2SD601	
L3414	1-469-555-21	INDUCTOR	10μΗ	Q3303	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX
			·r	Q3305	8-729-424-02	TRANSISTOR 2SB709	
L3416	1-469-555-21	INDUCTOR	10µH				
L3418	1-469-555-21	INDUCTOR	10μH	Q3306	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX
L3601	1-419-370-21	INDUCTOR	0μΗ	Q3307	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX
L3602	1-419-370-21	INDUCTOR	0μΗ	Q3308	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX
L3603	1-419-370-21	INDUCTOR	0μΗ	Q3309	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX
				Q3310	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX
L3604	1-419-370-21	INDUCTOR	0μΗ				
L3605	1-419-370-21	INDUCTOR	0μΗ	Q3311	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX
L3903	1-412-052-21	INDUCTOR	1μH	Q3401	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX
L8601	1-469-555-21	INDUCTOR	10µH	Q3402	8-729-028-28	TRANSISTOR 2SK203	6(TE85L)
L8602	1-469-553-21	INDUCTOR	4.7µH	Q3404	8-729-028-28	TRANSISTOR 2SK203	. ,
				Q3410	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX
L8603	1-469-555-21	INDUCTOR	10µH	00444	0.700.404.00	TD 4NOIOTOD 00D700	A ODO TV
L8604	1-469-555-21	INDUCTOR	10μH	Q3411	8-729-424-02	TRANSISTOR 2SB709	
				Q3412	8-729-424-02	TRANSISTOR 2SB709	
	TRANSISTOR			Q3413	8-729-424-02	TRANSISTOR 2SB709	
Q2801	8-729-122-63	TRANSISTOR 2SA12	006 T1E4	Q3414	8-729-424-02	TRANSISTOR 2SB709	
Q2802	8-729-424-02	TRANSISTOR 2SB70		Q3415	8-729-424-02	TRANSISTOR 2SB709	IA-QRS-TX
Q2803	8-729-424-02	TRANSISTOR 2SB70		02440	0 700 400 07	TDANCIOTOD 20DC04	A ODC TV
Q2804	8-729-422-27	TRANSISTOR 2SD60		Q3416	8-729-422-27	TRANSISTOR 2SD601	** *
Q2805	8-729-424-02	TRANSISTOR 2SB70		Q3601	8-729-422-27	TRANSISTOR 2SD601	
Q2000	0 120 424 02	110 110 10 10 10 10 20 010	on and in	Q3906	8-729-028-28	TRANSISTOR 2SK203	\ /
Q2806	8-729-422-27	TRANSISTOR 2SD60)1A-ORS-TX	Q3907	8-729-028-28	TRANSISTOR 2SK203 TRANSISTOR 2SC222	,
Q2807	8-729-422-27	TRANSISTOR 2SD60		Q8601	8-729-102-07	1 MAINOIO I UK 200222	30-111710114
Q2810	8-729-424-02	TRANSISTOR 2SB70		Q8602	8-729-102-07	TRANSISTOR 2SC222	93_T1F13F1/I
Q2811	8-729-122-63	TRANSISTOR 2SA12		Q8603	8-729-102-07	TRANSISTOR 2SC222	
Q2812	8-729-122-63	TRANSISTOR 2SA12		Q8604	8-729-424-02	TRANSISTOR 2SB709	
			· ·=·	Q8605	8-729-424-02	TRANSISTOR 2SB709	
Q2813	8-729-122-63	TRANSISTOR 2SA12	226-T1E4	Q8606	8-729-122-63	TRANSISTOR 2SA122	
Q2814	8-729-422-27	TRANSISTOR 2SD60		Q0000	0-120-122 - 00	TANION FOR ZOATZZ	.V I ILT
Q2815	8-729-422-27	TRANSISTOR 2SD60		Q8607	8-729-122-63	TRANSISTOR 2SA122	6-T1F4
Q2816	8-729-422-27	TRANSISTOR 2SD60		Q8608	8-729-122-63	TRANSISTOR 2SA122	
Q2817	8-729-422-27	TRANSISTOR 2SD60		Q8609	8-729-424-02	TRANSISTOR 2SB709	
					O I LO ILT UL		7 L GLIV 1/1



REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
	RESISTOR					R2846	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
						R2847	1-216-809-11	RES-CHIP	100	5%	1/10W
R2801	1-218-867-11	RES-CHIP	6.8K	5%	1/10W	R2848	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2803	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R2849	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2804	1-216-805-11	RES-CHIP	47	5%	1/10W	R2850	1-216-809-11	RES-CHIP	100	5%	1/10W
R2805	1-216-822-11	RES-CHIP	1.2K	5%	1/10W						
R2806	1-216-863-11	RES-CHIP	3.3M	5%	1/10W	R2851	1-216-815-11	RES-CHIP	330	5%	1/10W
						R2854	1-216-864-11	SHORT CHIP	0	0,0	.,
R2807	1-216-809-11	RES-CHIP	100	5%	1/10W	R2858	1-218-716-11	METAL CHIP	10K	0.50%	1/16W
R2808	1-216-826-11	RES-CHIP	2.7K	5%	1/10W	R2860	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2809	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R2861	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2810	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	112001	1-210-033-11	NLO-CI III	IUIX	J /0	1/1000
R2811	1-216-809-11	RES-CHIP	100	5%	1/10W	R2862	1-216-809-11	RES-CHIP	100	5%	1/10W
R2812	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W	R2863	1-216-823-11	RES-CHIP	1.5K	5%	1/10W
R2813	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R2864	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2814	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R2865	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2816	1-216-845-11	RES-CHIP	100K	5%	1/10W	R2866	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2817	1-216-809-11	RES-CHIP	1001	5%	1/10W						
112017	1-210-009-11	NLO-OTIII	100	J /0	1/1000	R2867	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2818	1-216-809-11	RES-CHIP	100	5%	1/10W	R2868	1-216-809-11	RES-CHIP	100	5%	1/10W
						R2869	1-216-809-11	RES-CHIP	100	5%	1/10W
R2819	1-216-809-11	RES-CHIP	100	5%	1/10W	R2870	1-216-809-11	RES-CHIP	100	5%	1/10W
R2820	1-216-809-11	RES-CHIP	100	5%	1/10W	R2871	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2821	1-216-809-11	RES-CHIP	100	5%	1/10W						
R2823	1-216-841-11	RES-CHIP	47K	5%	1/10W	R2872	1-216-821-11	RES-CHIP	1K	5%	1/10W
						R2873	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2824	1-216-809-11	RES-CHIP	100	5%	1/10W	R2874	1-216-864-11	SHORT CHIP	0		
R2825	1-216-841-11	RES-CHIP	47K	5%	1/10W	R2875	1-216-864-11	SHORT CHIP	0		
R2826	1-218-716-11	METAL CHIP	10K		1/16W	R2876	1-216-864-11	SHORT CHIP	0		
R2827	1-216-829-11	RES-CHIP	4.7K	5%	1/10W						
R2828	1-216-832-11	RES-CHIP	8.2K	5%	1/10W	R2878	1-216-821-11	RES-CHIP	1K	5%	1/10W
						R2879	1-216-853-11	RES-CHIP	470K	5%	1/10W
R2829	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R2880	1-216-822-11	RES-CHIP	1.2K	5%	1/10W
R2830	1-216-818-11	RES-CHIP	560	5%	1/10W	R2881	1-216-822-11	RES-CHIP	1.2K	5%	1/10W
R2831	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R2882	1-216-822-11	RES-CHIP	1.2K	5%	1/10W
R2832	1-216-809-11	RES-CHIP	100	5%	1/10W	112002	1-210-022-11	NEO-OIIII	1.21	3 70	1/1044
R2833	1-216-809-11	RES-CHIP	100	5%	1/10W	R2883	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
								RES-CHIP			
R2834	1-216-809-11	RES-CHIP	100	5%	1/10W	R2884	1-216-825-11		2.2K	5%	1/10W
R2835	1-216-809-11	RES-CHIP	100	5%	1/10W	R2885	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2836	1-216-809-11	RES-CHIP	100	5%	1/10W	R2886	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2837	1-216-809-11	RES-CHIP	100	5%	1/10W	R2887	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2838	1-216-809-11	RES-CHIP	100	5%	1/10W						
112000	1 210 000 11	NEO OI III	100	070	1/1011	R2889	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2839	1-216-809-11	RES-CHIP	100	5%	1/10W	R2890	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2840	1-216-809-11	RES-CHIP	100	5% 5%	1/10W	R2891	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
						R2892	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2841	1-216-809-11	RES-CHIP	100	5%	1/10W	R2893	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2842	1-216-809-11	RES-CHIP	100	5%	1/10W						
R2843	1-216-809-11	RES-CHIP	100	5%	1/10W	R2894	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
						R2895	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
	1-216-826-11	RES-CHIP	2.7K	5%	1/10W		1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2844 R2845	1-216-809-11	RES-CHIP	100	5%	1/10W	R2896	1-210-023-11	NEO-CHIF	Z.ZN	370	1/1000



REF. NO.	PART NO.	DESCRIPTION	VALUI	ES			REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
R2898	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R3066	1-216-809-11	RES-CHIP	100	5%	1/10W
R2900	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		R3068	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2901	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		R3069	1-216-820-11	RES-CHIP	820	5%	1/10W
R2902	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		R3070	1-216-864-11	SHORT CHIP	0	0 70	1/10**
R2905	1-216-864-11	SHORT CHIP	0	3 70	1/1044		R3071	1-216-821-11	RES-CHIP	1K	5%	1/10W
112303	1-210-004-11	SHORT OTH	U				13071	1-210-021-11	NEO-CHII	IIX	J /0	1/1000
R2907	1-216-803-11	RES-CHIP	33	5%	1/10W		R3072	1-216-855-11	RES-CHIP	680K	5%	1/10W
R2908	1-216-803-11	RES-CHIP	33	5%	1/10W		R3073	1-216-855-11	RES-CHIP	680K	5%	1/10W
R2909	1-216-803-11	RES-CHIP	33	5%	1/10W		R3074	1-218-704-11	METAL CHIP	3.3K	0.50%	1/16W
R2910	1-216-864-11	SHORT CHIP	0				R3075	1-216-801-11	RES-CHIP	22	5%	1/10W
R2913	1-216-864-11	SHORT CHIP	0				R3076	1-216-864-11	SHORT CHIP	0		
R2920	1-216-864-11	SHORT CHIP	0				R3077	1-216-841-11	RES-CHIP	47K	5%	1/10W
R2922	1-216-864-11	SHORT CHIP	0				R3078	1-216-815-11	RES-CHIP	330	5%	1/10W
R2923				0.500/	1/16/1/			1-216-815-11		330	5%	
	1-218-708-11	METAL CHIP	4.7K		1/16W		R3079		RES-CHIP		3%	1/10W
R2924	1-218-708-11	METAL CHIP	4.7K		1/16W		R3089	1-216-864-11	SHORT CHIP	0	F0/	4/40\4/
R2925	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W		R3091	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R3002	1-216-864-11	SHORT CHIP	0				R3092	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R3004	1-216-864-11	SHORT CHIP	0				R3093	1-216-864-11	SHORT CHIP	0		
R3005	1-216-864-11	SHORT CHIP	0				R3095	1-216-845-11	RES-CHIP	100K	5%	1/10W
R3013	1-216-809-11	RES-CHIP	100	5%	1/10W		R3096	1-216-817-11	RES-CHIP	470	5%	1/10W
R3014	1-216-809-11	RES-CHIP	100	5%	1/10W		R3097	1-216-845-11	RES-CHIP	100K	5%	1/10W
R3015	1-216-809-11	RES-CHIP	100	5%	1/10W		R3098	1-216-805-11	RES-CHIP	47	5%	1/10W
R3017	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R3099	1-216-805-11	RES-CHIP	47	5%	1/10W
R3020	1-216-827-11	RES-CHIP	3.3K	5%	1/10W		R3102	1-216-809-11	RES-CHIP	100	5%	1/10W
R3020			3.3K 100	5% 5%						100	5% 5%	1/10W
	1-216-809-11	RES-CHIP			1/10W		R3103	1-216-809-11	RES-CHIP			
R3022	1-216-809-11	RES-CHIP	100	5%	1/10W		R3104	1-216-809-11	RES-CHIP	100	5%	1/10W
R3023	1-216-833-11	RES-CHIP	10K	5%	1/10W		R3105	1-216-809-11	RES-CHIP	100	5%	1/10W
R3025	1-216-833-11	RES-CHIP	10K	5%	1/10W		R3107	1-216-864-11	SHORT CHIP	0		
R3026	1-216-833-11	RES-CHIP	10K	5%	1/10W		R3108	1-216-833-11	RES-CHIP	10K	5%	1/10W
R3029	1-216-833-11	RES-CHIP	10K	5%	1/10W		R3110	1-216-809-11	RES-CHIP	100	5%	1/10W
R3030	1-216-827-11	RES-CHIP	3.3K	5%	1/10W		R3111	1-216-809-11	RES-CHIP	100	5%	1/10W
R3031	1-216-809-11	RES-CHIP	100	5%	1/10W		R3116	1-216-797-11	RES-CHIP	10	5%	1/10W
R3035	1-216-809-11	RES-CHIP	100	5%	1/10W		R3117	1-216-797-11	RES-CHIP	10	5%	1/10W
R3036	1-216-809-11	RES-CHIP	100	5%	1/10W		R3150	1-216-864-11	SHORT CHIP	0	070	1,1011
R3037	1-216-809-11	RES-CHIP	100	5%	1/10W		R3302	1-216-817-11	RES-CHIP	470	5%	1/10W
R3038	1-218-686-11	METAL CHIP	560		1/16W		R3303	1-218-710-11	METAL CHIP	5.6K		1/16W
R3039	1-218-686-11	METAL CHIP	560	0.50%	1/16W		R3304	1-216-809-11	RES-CHIP	100	5%	1/10W
R3040	1-218-686-11	METAL CHIP	560	0.50%	1/16W		R3325	1-216-864-11	SHORT CHIP	0		
R3045	1-216-809-11	RES-CHIP	100	5%	1/10W		R3335	1-216-833-11	RES-CHIP	10K	5%	1/10W
R3047	1-216-864-11	SHORT CHIP	0				R3341	1-216-813-11	RES-CHIP	220	5%	1/10W
R3049	1-216-859-11	RES-CHIP	1.5M	5%	1/10W		R3342	1-218-705-11	METAL CHIP	3.6K	0.50%	1/16W
R3050	1-216-833-11	RES-CHIP	10K	5%	1/10W		R3343	1-216-809-11	RES-CHIP	100	5%	1/10W
R3051	1-216-864-11	SHORT CHIP	0	570	17 10 11		R3344	1-216-853-11	RES-CHIP	470K	5%	1/10W
R3063	1-216-864-11	SHORT CHIP	0				R3345	1-218-704-11	METAL CHIP	3.3K		1/16W
R3064	1-216-864-11	SHORT CHIP	0				R3346	1-216-704-11	RES-CHIP	3.3K 100	5%	1/10W
NJU0 4	1-210-004-11	OHORI OHIF	U			I	110040	1-210-003-11	NEO-OHIIF	100	J /0	1/1011



REF. NO.	PART NO.	DESCRIPTION	VALU	ES		 REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
R3347	1-216-815-11	RES-CHIP	330	5%	1/10W	R3437	1-216-809-11	RES-CHIP	100	5%	1/10W
R3348	1-216-864-11	SHORT CHIP	0	070	1/1011	R3438	1-216-809-11	RES-CHIP	100	5%	1/10W
R3349	1-218-687-11	METAL CHIP	620	0.50%	1/16W	R3439	1-216-809-11	RES-CHIP	100	5%	1/10W
R3350	1-216-814-11	RES-CHIP	270	5%	1/10W	R3440	1-216-809-11	RES-CHIP	100	5%	1/10W
R3351	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R3441	1-216-809-11	RES-CHIP	100	5%	1/10W
110001	1-210-020-11	NEO-OHII	2.21	3 70	1/1044	11071	1-210-005-11	NEO-OFIII	100	J /0	1/1044
R3352	1-216-853-11	RES-CHIP	470K	5%	1/10W	R3442	1-216-833-11	RES-CHIP	10K	5%	1/10W
R3353	1-216-837-11	RES-CHIP	22K	5%	1/10W	R3445	1-216-864-11	SHORT CHIP	0	0,70	.,
R3354	1-216-813-11	RES-CHIP	220	5%	1/10W	R3451	1-216-809-11	RES-CHIP	100	5%	1/10W
R3355	1-216-821-11	RES-CHIP	1K	5%	1/10W	R3452	1-216-864-11	SHORT CHIP	0	070	171011
R3357	1-218-676-11	METAL CHIP	220		1/16W	R3454	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
				0.0070	.,					0 70	.,
R3358	1-218-676-11	METAL CHIP	220	0.50%	1/16W	R3457	1-216-813-11	RES-CHIP	220	5%	1/10W
R3359	1-218-676-11	METAL CHIP	220		1/16W	R3460	1-216-833-11	RES-CHIP	10K	5%	1/10W
R3360	1-216-827-11	RES-CHIP	3.3K	5%	1/10W	R3461	1-216-833-11	RES-CHIP	10K	5%	1/10W
R3365	1-216-827-11	RES-CHIP	3.3K	5%	1/10W	R3466	1-216-813-11	RES-CHIP	220	5%	1/10W
R3367	1-216-805-11	RES-CHIP	47	5%	1/10W	R3468	1-216-864-11	SHORT CHIP	0		
				-,-	.,				•		
R3368	1-216-864-11	SHORT CHIP	0			R3469	1-216-864-11	SHORT CHIP	0		
R3370	1-216-833-11	RES-CHIP	10K	5%	1/10W	R3470	1-216-809-11	RES-CHIP	100	5%	1/10W
R3371	1-218-686-11	METAL CHIP	560	0.50%	1/16W	R3473	1-216-864-11	SHORT CHIP	0		
R3372	1-216-817-11	RES-CHIP	470	5%	1/10W	R3475	1-216-809-11	RES-CHIP	100	5%	1/10W
R3373	1-216-817-11	RES-CHIP	470	5%	1/10W	R3480	1-216-809-11	RES-CHIP	100	5%	1/10W
R3374	1-216-809-11	RES-CHIP	100	5%	1/10W	R3489	1-216-864-11	SHORT CHIP	0		
R3375	1-218-686-11	METAL CHIP	560	0.50%	1/16W	R3490	1-216-864-11	SHORT CHIP	0		
R3376	1-218-710-11	METAL CHIP	5.6K	0.50%	1/16W	R3494	1-216-813-11	RES-CHIP	220	5%	1/10W
R3377	1-216-817-11	RES-CHIP	470	5%	1/10W	R3497	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R3378	1-216-817-11	RES-CHIP	470	5%	1/10W	R3498	1-216-818-11	RES-CHIP	560	5%	1/10W
R3379	1-216-809-11	RES-CHIP	100	5%	1/10W	R3507	1-216-821-11	RES-CHIP	1K	5%	1/10W
R3380	1-218-686-11	METAL CHIP	560	0.50%	1/16W	R3508	1-216-821-11	RES-CHIP	1K	5%	1/10W
R3381	1-218-710-11	METAL CHIP	5.6K	0.50%	1/16W	R3509	1-216-821-11	RES-CHIP	1K	5%	1/10W
R3383	1-216-817-11	RES-CHIP	470	5%	1/10W	R3510	1-216-821-11	RES-CHIP	1K	5%	1/10W
R3395	1-216-864-11	SHORT CHIP	0			R3511	1-216-821-11	RES-CHIP	1K	5%	1/10W
R3396	1-216-864-11	SHORT CHIP	0			R3512	1-216-821-11	RES-CHIP	1K	5%	1/10W
R3400	1-216-864-11	SHORT CHIP	0			R3533	1-216-809-11	RES-CHIP	100	5%	1/10W
R3401	1-216-864-11	SHORT CHIP	0			R3534	1-216-809-11	RES-CHIP	100	5%	1/10W
R3406	1-216-833-11	RES-CHIP	10K	5%	1/10W	R3535	1-216-809-11	RES-CHIP	100	5%	1/10W
R3407	1-216-864-11	SHORT CHIP	0			R3536	1-216-833-11	RES-CHIP	10K	5%	1/10W
R3409	1-216-864-11	SHORT CHIP	0			R3537	1-216-833-11	RES-CHIP	10K	5%	1/10W
R3410	1-216-833-11	RES-CHIP	10K	5%	1/10W	R3538	1-216-864-11	SHORT CHIP	0		
R3411	1-216-797-11	RES-CHIP	10	5%	1/10W	R3539	1-216-864-11	SHORT CHIP	0		
R3421	1-216-864-11	SHORT CHIP	0			R3540	1-216-864-11	SHORT CHIP	0		
R3422	1-216-864-11	SHORT CHIP	0			R3541	1-216-864-11	SHORT CHIP	0		
R3425	1-216-864-11	SHORT CHIP	0			R3542	1-216-864-11	SHORT CHIP	0		
R3428	1-469-094-21	FERRITE	0μΗ			R3575	1-216-864-11	SHORT CHIP	0		
R3435	1-216-809-11	RES-CHIP	100	5%	1/10W	R3601	1-216-864-11	SHORT CHIP	0		
R3436	1-216-809-11	RES-CHIP	100	5%	1/10W	R3602	1-216-864-11	SHORT CHIP	0		



REF. NO.	PART NO.	DESCRIPTION	VALU	ES			REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
R3603	1-216-864-11	SHORT CHIP	0				R3863	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W
R3604	1-216-864-11	SHORT CHIP	0				R3864	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
R3605	1-216-864-11	SHORT CHIP	0				R3865	1-216-809-11	RES-CHIP	100	5%	1/10W
R3606	1-216-864-11	SHORT CHIP	0				R3866	1-414-234-22	FERRITE	0μH		
R3607	1-216-864-11	SHORT CHIP	0				R3867	1-414-234-22	FERRITE	0μH		
110001	1210 001 11	oriorti oriii	v				110001			ομ		
R3608	1-216-864-11	SHORT CHIP	0				R3868	1-414-234-22	FERRITE	0μΗ		
R3609	1-216-864-11	SHORT CHIP	0				R3881	1-216-807-11	RES-CHIP	68	5%	1/10W
R3610	1-216-833-11	RES-CHIP	10K	5%	1/10W		R3882	1-216-807-11	RES-CHIP	68	5%	1/10W
R3611	1-216-833-11	RES-CHIP	10K	5%	1/10W		R3883	1-216-807-11	RES-CHIP	68	5%	1/10W
R3612	1-216-845-11	RES-CHIP	100K	5%	1/10W		R3911	1-216-821-11	RES-CHIP	1K	5%	1/10W
R3613	1-216-801-11	RES-CHIP	22	5%	1/10W		R3917	1-216-809-11	RES-CHIP	100	5%	1/10W
R3614	1-216-827-11	RES-CHIP	3.3K	5%	1/10W		R3928	1-216-833-11	RES-CHIP	10K	5%	1/10W
R3615	1-218-867-11	RES-CHIP	6.8K	5%	1/10W		R3933	1-216-864-11	SHORT CHIP	0	370	1/1044
R3616	1-216-809-11	RES-CHIP	100	5%	1/10W		R3956	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R3617	1-216-833-11	RES-CHIP	10K	5%	1/10W		R3957	1-216-825-11	RES-CHIP	2.2K 2.2K	5%	1/10W
K3011	1-210-033-11	KES-CHIP	IUN	370	1/1000		K3931	1-210-020-11	KES-UNIF	2.2N	3%	1/1000
R3800	1-216-864-11	SHORT CHIP	0				R3958	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R3811	1-216-809-11	RES-CHIP	100	5%	1/10W		R3973	1-216-809-11	RES-CHIP	100	5%	1/10W
R3812	1-216-809-11	RES-CHIP	100	5%	1/10W		R3974	1-216-833-11	RES-CHIP	10K	5%	1/10W
R3813	1-216-809-11	RES-CHIP	100	5%	1/10W		R3984	1-218-644-11	METAL CHIP	10	0.50%	
R3820	1-218-684-11	METAL CHIP	470		1/16W		R3985	1-218-644-11	METAL CHIP	10	0.50%	
				0.0070	.,						0.0070	.,
R3821	1-218-684-11	METAL CHIP	470		1/16W		R3986	1-218-644-11	METAL CHIP	10	0.50%	
R3822	1-218-684-11	METAL CHIP	470		1/16W		R8606	1-216-819-11	RES-CHIP	680	5%	1/10W
R3823	1-216-826-11	RES-CHIP	2.7K	5%	1/10W		R8607	1-216-819-11	RES-CHIP	680	5%	1/10W
R3824	1-216-826-11	RES-CHIP	2.7K	5%	1/10W		R8608	1-216-819-11	RES-CHIP	680	5%	1/10W
R3825	1-216-826-11	RES-CHIP	2.7K	5%	1/10W		R8609	1-216-809-11	RES-CHIP	100	5%	1/10W
R3826	1-216-809-11	RES-CHIP	100	5%	1/10W		R8610	1-216-809-11	RES-CHIP	100	5%	1/10W
R3828	1-218-682-11	METAL CHIP	390		1/16W		R8611	1-216-809-11	RES-CHIP	100	5%	1/10W
R3829	1-218-682-11	METAL CHIP	390		1/16W		R8612	1-216-820-11	RES-CHIP	820	5%	1/10W
R3830	1-218-682-11	METAL CHIP	390		1/16W		R8613	1-216-820-11	RES-CHIP	820	5%	1/10W
R3831	1-216-864-11	SHORT CHIP	0				R8614	1-216-820-11	RES-CHIP	820	5%	1/10W
Dagaa	1 016 064 11	CHODT CHID	0				D064E	1 016 000 11	RES-CHIP	100	E0/	1/10/1/
R3832	1-216-864-11	SHORT CHIP	0				R8615	1-216-809-11		100	5% 5%	1/10W
R3833	1-216-864-11	SHORT CHIP	0	F0/	4/40\4/		R8616	1-216-809-11	RES-CHIP	100		1/10W
R3840	1-216-805-11	RES-CHIP	47	5%	1/10W		R8617	1-216-809-11	RES-CHIP	100	5%	1/10W
R3846	1-216-801-11	RES-CHIP	22	5%	1/10W		R8618	1-218-679-11	METAL CHIP	300	0.50%	
R3847	1-216-801-11	RES-CHIP	22	5%	1/10W		R8619	1-218-679-11	METAL CHIP	300	0.50%	1/1600
R3848	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R8620	1-218-675-11	METAL CHIP	200	0.50%	1/16W
R3849	1-218-675-11	METAL CHIP	200	0.50%	1/16W		R8621	1-216-821-11	RES-CHIP	1K	5%	1/10W
R3850	1-218-675-11	METAL CHIP	200	0.50%	1/16W		R8622	1-218-679-11	METAL CHIP	300	0.50%	1/16W
R3851	1-216-809-11	RES-CHIP	100	5%	1/10W		R8623	1-218-679-11	METAL CHIP	300	0.50%	1/16W
R3852	1-218-675-11	METAL CHIP	200	0.50%	1/16W		R8624	1-218-675-11	METAL CHIP	200	0.50%	1/16W
R3854	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R8625	1-216-821-11	RES-CHIP	1K	5%	1/10W
R3857		RES-CHIP	2.2K 100	5% 5%	1/10W		R8626		RES-CHIP	100	5% 5%	1/10W
	1-216-809-11							1-216-809-11				
R3858	1-218-704-11	METAL CHIP	3.3K		1/16W		R8627	1-216-809-11	RES-CHIP	100	5%	1/10W
R3862	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	I	R8628	1-216-809-11	RES-CHIP	100	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALUES	S		REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
R8629	1-216-823-11	RES-CHIP	1.5K	5%	1/10W	RB3402	1-234-524-21	RES, CHIP NETWORK	33		
R8630	1-216-823-11	RES-CHIP	1.5K	5%	1/10W	RB3403	1-234-524-21	RES, CHIP NETWORK	33		
R8631	1-216-823-11	RES-CHIP	1.5K	5%	1/10W	RB3404	1-234-524-21	RES, CHIP NETWORK			
R8632	1-216-821-11	RES-CHIP	1K	5%	1/10W	RB3405	1-234-524-21	RES, CHIP NETWORK			
R8636	1-216-821-11	RES-CHIP	1K	5%	1/10W	RB3406	1-234-524-21	RES, CHIP NETWORK			
				0,0	.,		0. 0				
R8637	1-216-821-11	RES-CHIP	1K	5%	1/10W	RB3407	1-239-409-11	RES, CHIP NETWORK	47	-3216	
R8638	1-216-821-11	RES-CHIP	1K	5%	1/10W	RB3408	1-239-409-11	RES, CHIP NETWORK		-3216	
R8639	1-218-704-11	METAL CHIP	3.3K		1/16W	RB3409	1-239-409-11	RES, CHIP NETWORK		-3216	
R8641	1-216-821-11	RES-CHIP	1K	5%	1/10W	RB3410	1-239-409-11	RES, CHIP NETWORK		-3216	
R8642	1-218-703-11	METAL CHIP	3K		1/16W	RB3411	1-239-409-11	RES, CHIP NETWORK		-3216	
								-,-			
R8643	1-216-821-11	RES-CHIP	1K	5%	1/10W	RB3412	1-239-409-11	RES, CHIP NETWORK	47	-3216	
R8645	1-216-821-11	RES-CHIP	1K	5%	1/10W	RB3421	1-233-576-11	RES, CHIP NETWORK			
R8646	1-216-821-11	RES-CHIP	1K	5%	1/10W	RB3422	1-233-576-11	RES, CHIP NETWORK	100		
R8647	1-216-833-11	RES-CHIP	10K	5%	1/10W	RB3423	1-233-576-11	RES, CHIP NETWORK			
R8648	1-216-830-11	RES-CHIP	5.6K	5%	1/10W	RB3424	1-233-576-11	RES, CHIP NETWORK			
				-,-	.,			,			
R8650	1-216-833-11	RES-CHIP	10K	5%	1/10W	RB3425	1-233-576-11	RES, CHIP NETWORK	100		
R8651	1-216-801-11	RES-CHIP	22	5%	1/10W	RB3426	1-233-576-11	RES, CHIP NETWORK			
R8652	1-216-833-11	RES-CHIP	10K	5%	1/10W	RB3427	1-233-576-11	RES, CHIP NETWORK	100		
R8653	1-216-833-11	RES-CHIP	10K	5%	1/10W	RB3428	1-233-576-11	RES, CHIP NETWORK			
R8654	1-216-864-11	SHORT CHIP	0			RB3436	1-234-523-21	RES, CHIP NETWORK		-3216	
R8655	1-216-864-11	SHORT CHIP	0					,			
		5.1.51.1. 51.1.I	·			RB3437	1-234-523-21	RES, CHIP NETWORK	0	-3216	
	RESISTOR BRID	nge.				RB3438	1-234-523-21	RES, CHIP NETWORK		-3216	
	KESISTOR BRIL	<u>JGE</u>				RB3439	1-234-523-21	RES, CHIP NETWORK		-3216	
RB3005	1-239-409-11	RES, CHIP NETWORK	47	-3216				-,-			
RB3006	1-239-409-11	RES, CHIP NETWORK	47	-3216			CRYSTAL				
RB3007	1-239-409-11	RES, CHIP NETWORK	47	-3216			OKTOTAL				
RB3008	1-239-409-11	RES, CHIP NETWORK	47	-3216		X2801	1-760-895-21	VIBRATOR, CERAMIC			
RB3009	1-239-409-11	RES, CHIP NETWORK	47	-3216		X3089	1-781-945-21	VIBRATOR, CERAMIC			
						X3401	1-781-887-21	VIBRATOR, CRYSTAL			
RB3010	1-239-409-11	RES, CHIP NETWORK	47	-3216		NAC	A				
RB3011	1-239-409-11	RES, CHIP NETWORK	47	-3216		\square IVI \supset)				
RB3012	1-239-409-11	RES, CHIP NETWORK	47	-3216		1.4.0					
RB3013	1-239-409-11	RES, CHIP NETWORK	47	-3216				d repairable. If service		-	
RB3014	1-239-409-11	RES, CHIP NETWORK	47	-3216				r to order a complete	replacem	ent bo	ard.
						Data is p	rovided for refer	ence only.			
RB3015	1-239-409-11	RES, CHIP NETWORK	47	-3216							
RB3100	1-233-574-11	RES, CHIP NETWORK	10			*	A 4200 400 A	MC1 DOADD COM	I ETE		
RB3101	1-233-574-11	RES, CHIP NETWORK	10				A-1300-408-A	MS1 BOARD, COMP	LEIE		
RB3102	1-233-574-11	RES, CHIP NETWORK	10								
RB3103	1-233-574-11	RES, CHIP NETWORK	10				<u>CAPACITOR</u>				
						C101	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
RB3304	1-233-576-11	RES, CHIP NETWORK	100			C102	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
RB3305	1-233-576-11	RES, CHIP NETWORK	100			C103	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
RB3306	1-233-576-11	RES, CHIP NETWORK	100			C105	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
RB3307	1-233-576-11	RES, CHIP NETWORK	100			C106	1-110-501-11	CERAMIC CHIP	0.33μF	10%	16V
RB3401	1-234-524-21	RES, CHIP NETWORK	33			0100	1 110 001-11	JEI V WIIIO OI III	υ.υυμι	10/0	101
						C107	1-126-390-11	ELECT CHIP	22µF	20%	6.3V
						C108	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
						0100	1 101 020-11	JETV WITO OF III	υ. τμι	10/0	101



REF. NO.	PART NO.	DESCRIPTION	VALUES 0.1μF 10% 16\				REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
C109	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V		C158	1-124-779-00	ELECT CHIP	10μF	20%	16V
C110	1-126-394-11	ELECT CHIP	10µF	20%	16V		C159	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C111	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C160	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C112	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C161	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C113	1-162-916-11	CERAMIC CHIP	12pF	5%	50V		C162	1-126-394-11	ELECT CHIP	10μF	20%	16V
0110	1 102 010 11	OLI WINIO OTHI	·-p·	070	001		0102	1 120 001 11	LLLOT OTHI	ТОРТ	2070	101
C114	1-162-916-11	CERAMIC CHIP	12pF	5%	50V		C163	1-126-394-11	ELECT CHIP	10μF	20%	16V
C115	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V		C165	1-124-779-00	ELECT CHIP	10µF	20%	16V
C116	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V		C166	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C117	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C167	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C118	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C168	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C119	1-216-864-11	SHORT CHIP	0				C169	1-124-779-00	ELECT CHIP	10μF	20%	16V
C121	1-216-821-11	RES-CHIP	1K	5%	1/10W		C185	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C123	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V							
C124	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V			CONNECTOR				
C125	1-128-934-91	CERAMIC CHIP	0.33µF	20%	10V		011404	4 0 4 0 0 0 0 0 4	0011150700 0040	D TO DO 1 D	D 00D	
2.42=				400/	400.4		CN104	1-816-068-21	CONNECTOR, BOAR	D TO BOAR	D 60P	
C127	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V							
C128	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V			DIODE				
C129	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		D102	8-719-024-79	DIODE HN2D01FU-TE	85R		
C130	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		D102	8-719-024-79	DIODE HN2D01FU-TE			
C131	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		D103	8-719-024-79	DIODE HN2D01FU-TE			
							D105	8-719-024-79	DIODE HN2D01FU-TE			
C132	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		D106	8-719-024-79	DIODE HN2D01FU-TE			
C133	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		D 100	0-713-024-73	DIODE HINZDOH O-H	-0011		
C134	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V			FERRITE DE AR				
C135	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V			FERRITE BEAD				
C136	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB101	1-414-921-11	FERRITE	0μΗ		
0407	4 407 000 44	OEDAMIO OLUB	0.4.5	400/	4017		FB102	1-414-921-11	FERRITE	0μH		
C137	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB103	1-414-921-11	FERRITE	0μH		
C138	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB104	1-414-921-11	FERRITE	0μH		
C139	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB105	1-414-921-11	FERRITE	0µH		
C140	1-126-390-11	ELECT CHIP	22µF	20%	6.3V							
C141	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		FB106	1-500-451-11	FERRITE	0μΗ		
0440	4 400 070 44	OEDAMIO OLUD	0.04	400/	051/		FB107	1-414-921-11	FERRITE	0μH		
C142	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		FB108	1-414-921-11	FERRITE	0μH		
C143	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		FB109	1-414-921-11	FERRITE	0μH		
C144	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		FB110	1-414-921-11	FERRITE	0μΗ		
C145	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V							
C146	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		FB111	1-414-921-11	FERRITE	0μΗ		
0447	4 400 070 44	CEDAMIC CLUD	0.04	400/	051/		FB112	1-414-228-11	FERRITE	0μΗ		
C147	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		FB120	1-414-921-11	FERRITE	0μΗ		
C148	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB121	1-414-921-11	FERRITE	0μΗ		
C149	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		FB122	1-414-921-11	FERRITE	0μΗ		
C150	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V							
C151	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB123	1-414-921-11	FERRITE	0μΗ		
C152	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB124	1-414-921-11	FERRITE	0μΗ		
C152	1-107-826-11	CERAMIC CHIP	0.1μF 0.1μF	10%	16V		FB125	1-414-921-11	FERRITE	0μΗ		
C153	1-107-826-11	CERAMIC CHIP	0.1μF 0.1μF	10%	16V		FB126	1-414-921-11	FERRITE	0μΗ		
0104	1-10/-020-11	OLI VAIVIIO OI IIF	υ. τμε	10 /0	101		FB137	1-414-921-11	FERRITE	0μΗ		
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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
FB138	1-414-921-11	FERRITE	0μΗ		RESISTOR				
FB139	1-414-921-11	FERRITE	0μH						
FB140	1-216-864-11	SHORT CHIP	0	R101	1-216-797-11	RES-CHIP	10	5%	1/10W
FB141	1-414-921-11	FERRITE	0μΗ	R102	1-216-797-11	RES-CHIP	10	5%	1/10W
FB142	1-216-864-11	SHORT CHIP	0	R103	1-216-797-11	RES-CHIP	10	5%	1/10W
				R104	1-216-864-11	SHORT CHIP	0		
FB143	1-414-921-11	FERRITE	0μΗ	R105	1-216-864-11	SHORT CHIP	0		
FB144	1-216-864-11	SHORT CHIP	0						
FB145	1-216-864-11	SHORT CHIP	0	R106	1-216-864-11	SHORT CHIP	0		
FB146	1-216-864-11	SHORT CHIP	0	R107	1-216-864-11	SHORT CHIP	0		
FB147	1-216-864-11	SHORT CHIP	0	R108	1-216-833-11	RES-CHIP	10K	5%	1/10W
				R109	1-216-864-11	SHORT CHIP	0		
FB148	1-216-864-11	SHORT CHIP	0	R110	1-216-833-11	RES-CHIP	10K	5%	1/10W
FB149	1-414-921-11	FERRITE	0μΗ						
FB152	1-216-864-11	SHORT CHIP	0	R111	1-216-833-11	RES-CHIP	10K	5%	1/10W
FB153	1-216-864-11	SHORT CHIP	0	R112	1-216-833-11	RES-CHIP	10K	5%	1/10W
FB154	1-216-864-11	SHORT CHIP	0	R113	1-216-833-11	RES-CHIP	10K	5%	1/10W
FB155	1-216-864-11	SHORT CHIP	0	R114	1-216-864-11	SHORT CHIP	0		
				R115	1-216-845-11	RES-CHIP	100K	5%	1/10W
	<u>IC</u>			R116	1-216-845-11	RES-CHIP	100K	5%	1/10W
IC101	6-700-921-01	IC MD2305F		R117	1-216-864-11	SHORT CHIP	0		
⚠ IC102	6-801-874-11	IC SST39VF800A70-	11124-T	R118	1-216-845-11	RES-CHIP	100K	5%	1/10W
IC103	6-701-043-11	IC HM62V16256CLTT		R119	1-216-845-11	RES-CHIP	100K	5%	1/10W
IC104	8-759-460-72	IC BA033FP-E2		R120	1-216-845-11	RES-CHIP	100K	5%	1/10W
IC105	8-759-584-32	IC MB86189pFV-G-B	ND-ER						
				R121	1-216-864-11	SHORT CHIP	0		
IC106	8-759-661-55	IC 24LC21AT/SN		R122	1-216-833-11	RES-CHIP	10K	5%	1/10W
IC108	6-702-511-01	IC MT48LC8M16A2T	G-75-Y95W	R123	1-216-833-11	RES-CHIP	10K	5%	1/10W
IC109	6-702-038-01	IC PST3628NL		R126	1-216-821-11	RES-CHIP	1K	5%	1/10W
IC110	6-800-922-01	IC ISPLSI2032VE-110	DLT44/10921	R127	1-216-833-11	RES-CHIP	10K	5%	1/10W
IC115	8-759-698-31	IC TC7WH74FK(TE8	5R)						
				R128	1-216-864-11	SHORT CHIP	0		
IC119	8-759-592-50	IC TC7SZ126FU(TE8	5R)	R130	1-216-845-11	RES-CHIP	100K	5%	1/10W
IC120	8-759-592-50	IC TC7SZ126FU(TE8	5R)	R131	1-216-821-11	RES-CHIP	1K	5%	1/10W
IC121	8-752-927-18	IC CXP85112B-679Q		R132	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
IC122	8-759-349-11	IC PST9145NL		R133	1-218-867-11	RES-CHIP	6.8K	5%	1/10W
IC126	8-759-058-58	IC TC7S04FU(TE85R	3)						
				R134	1-216-833-11	RES-CHIP	10K	5%	1/10W
	COIL			R135	1-216-833-11	RES-CHIP	10K	5%	1/10W
				R136	1-216-809-11	RES-CHIP	100	5%	1/10W
L106	1-469-555-21	INDUCTOR	10µH	R138	1-216-833-11	RES-CHIP	10K	5%	1/10W
L107	1-469-561-21	INDUCTOR	100μH	R140	1-216-833-11	RES-CHIP	10K	5%	1/10W
	TRANSISTOR			R141	1-216-864-11	SHORT CHIP	0		
0.101		TD ANGICTOR :	0.4ELL TE0ED	R142	1-216-864-11	SHORT CHIP	0		
Q101	8-729-013-28	TRANSISTOR HN1BI		R143	1-216-833-11	RES-CHIP	10K	5%	1/10W
Q103	8-729-013-28	TRANSISTOR HN1B		R144	1-216-809-11	RES-CHIP	100	5%	1/10W
Q104	8-729-013-28	TRANSISTOR HN1B		R145	1-216-809-11	RES-CHIP	100	5%	1/10W
Q105	8-729-427-72	TRANSISTOR HN1C							
Q110	8-729-900-53	TRANSISTOR DTC11		R146	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
Q116	8-729-900-53	TRANSISTOR DTC11	14EKA-T146	R147	1-216-864-11	SHORT CHIP	0		
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REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VALUES		
R148	1-216-839-11	RES-CHIP	33K	5%	1/10W	R208	1-216-801-11	RES-CHIP	22	5%	1/10W
R149	1-216-839-11	RES-CHIP	33K	5%	1/10W	R209	1-216-809-11	RES-CHIP	100	5%	1/10W
R152	1-216-833-11	RES-CHIP	10K	5%	1/10W	R213	1-218-830-11	METAL CHIP			1/10W
R153	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R216	1-216-864-11	SHORT CHIP	0		
R154	1-216-864-11	SHORT CHIP	0			R217	1-216-833-11	RES-CHIP	10K	5%	1/10W
R155	1-216-864-11	SHORT CHIP	0			R218	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R156	1-216-845-11	RES-CHIP	100K	5%	1/10W	R219	1-216-833-11	RES-CHIP		5%	1/10W
R157	1-216-809-11	RES-CHIP	100	5%	1/10W	R220	1-216-864-11	SHORT CHIP	0		
R158	1-216-864-11	SHORT CHIP	0			R221	1-216-809-11	RES-CHIP	100	5%	1/10W
R159	1-216-833-11	RES-CHIP	10K	5%	1/10W	R222	1-216-809-11	RES-CHIP		5%	1/10W
R160	1-216-833-11	RES-CHIP	10K	5%	1/10W	R224	1-216-833-11	RES-CHIP	10K	5%	1/10W
R161	1-216-801-11	RES-CHIP	22	5%	1/10W	R225	1-216-833-11	RES-CHIP		5%	1/10W
R162	1-216-809-11	RES-CHIP	100	5%	1/10W	R226	1-216-833-11	RES-CHIP		5%	1/10W
R163	1-216-809-11	RES-CHIP	100	5%	1/10W	R230	1-216-833-11	RES-CHIP		5%	1/10W
R164	1-216-833-11	RES-CHIP	10K	5%	1/10W	R231	1-216-864-11	SHORT CHIP	0		
				0 70	.,			55	·		
R166	1-216-864-11	SHORT CHIP	0			R233	1-216-833-11	RES-CHIP	10K	5%	1/10W
R167	1-216-809-11	RES-CHIP	100	5%	1/10W	R245	1-216-833-11	RES-CHIP		5%	1/10W
R168	1-216-864-11	SHORT CHIP	0	0 70	.,	R246	1-216-809-11	RES-CHIP		5%	1/10W
R169	1-216-809-11	RES-CHIP	100	5%	1/10W	R283	1-216-833-11	RES-CHIP		5%	1/10W
R170	1-216-864-11	SHORT CHIP	0	070	1,1011	R284	1-216-833-11	RES-CHIP		5%	1/10W
11110	1210 001 11	OHORI OHII	v			11201	1210 000 11	NEO OTIII	1010	770	171011
R171	1-216-809-11	RES-CHIP	100	5%	1/10W	R286	1-216-833-11	RES-CHIP	10K	5%	1/10W
R172	1-216-864-11	SHORT CHIP	0	070	17 1011	R287	1-216-833-11	RES-CHIP		5%	1/10W
R173	1-216-801-11	RES-CHIP	22	5%	1/10W	R288	1-216-797-11	RES-CHIP		5%	1/10W
R174	1-216-864-11	SHORT CHIP	0	070	171011	R290	1-216-797-11	RES-CHIP		5%	1/10W
R176	1-216-864-11	SHORT CHIP	0			R292	1-216-821-11	RES-CHIP		5%	1/10W
11110	1210 001 11	OHORI OHII	v			11202	1 210 021 11	NEO OTIII		770	171011
R177	1-216-864-11	SHORT CHIP	0			R295	1-216-864-11	SHORT CHIP	0		
R178	1-216-864-11	SHORT CHIP	0			R297	1-216-833-11	RES-CHIP		5%	1/10W
R180	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R9239	1-216-803-11	RES-CHIP		5%	1/10W
R181	1-216-833-11	RES-CHIP	10K	5%	1/10W	R9240	1-216-803-11	RES-CHIP		5%	1/10W
R184	1-216-809-11	RES-CHIP	100	5%	1/10W	R9242	1-216-803-11	RES-CHIP		5%	1/10W
				0 70	.,	R9243	1-216-803-11	RES-CHIP		5%	1/10W
R186	1-216-864-11	SHORT CHIP	0			110210	1210 000 11	1120 01111		,,,	1,1011
R189	1-216-864-11	SHORT CHIP	0				DECICTOR DRIF	005			
R190	1-216-864-11	SHORT CHIP	0				RESISTOR BRID	JGE			
R192	1-216-833-11	RES-CHIP	10K	5%	1/10W	RB101	1-233-810-21	RES, NETWORK	100K -	3216	
R193	1-216-833-11	RES-CHIP	10K	5%	1/10W	RB102	1-233-810-21	RES, NETWORK		3216	
11100	1 210 000 11	NEO OTIII	1011	070	171011	RB103	1-233-810-21	RES, NETWORK		3216	
R195	1-216-801-11	RES-CHIP	22	5%	1/10W	RB104	1-233-810-21	RES, NETWORK		3216	
R196	1-216-809-11	RES-CHIP	100	5%	1/10W	RB105	1-233-576-11	RES, CHIP NETWORK			
R197	1-216-809-11	RES-CHIP	100	5%	1/10W			,			
R199	1-216-833-11	RES-CHIP	10K	5%	1/10W	RB106	1-236-908-11	RES, CHIP NETWORK	10K -	3216	
R200	1-216-833-11	RES-CHIP	10K	5%	1/10W	RB107	1-233-574-11	RES, CHIP NETWORK			
11200	1-7 10-000-11	NEO-OLIIF	IUN	J /0	1/1000	RB108	1-233-574-11	RES, CHIP NETWORK			
R203	1-216-864-11	SHORT CHIP	0			RB109	1-233-574-11	RES, CHIP NETWORK			
R203 R204						RB110	1-233-574-11	RES, CHIP NETWORK			
	1-216-864-11	SHORT CHIP	0 100	E0/	1/10\\\		. =00 01 1 11	, 51 11.211101111	. •		
R206 R207	1-216-809-11	RES-CHIP	100	5%	1/10W						
RZU/	1-216-864-11	SHORT CHIP	0			I					



REF. NO.	PART NO.	DESCRIPTION	VALUE	S		REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
RB112	1-233-574-11	RES, CHIP NETWORK	10			C6516	1-104-665-11	ELECT	100µF	20%	25V
RB113	1-233-574-11	RES, CHIP NETWORK	10			C6517	1-126-933-11	ELECT	100µF	20%	16V
RB114	1-233-574-11	RES, CHIP NETWORK	10			C6521	1-126-768-11	ELECT	2200µF	20%	16V
RB115	1-233-574-11	RES, CHIP NETWORK	10			C6525	1-104-665-11	ELECT	100μF	20%	25V
RB116	1-233-574-11	RES, CHIP NETWORK	10			C6526	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
RB117	1-233-574-11	RES, CHIP NETWORK	10			C6531	1-126-943-11	ELECT	2200µF	20%	25V
RB118	1-233-574-11	RES, CHIP NETWORK	10			C6532	1-115-781-11	ELECT	220µF	20%	25V
RB119	1-233-574-11	RES, CHIP NETWORK	10			C6534	1-104-665-11	ELECT	100µF	20%	25V
RB120	1-233-574-11	RES, CHIP NETWORK	10			C6535	1-126-943-11	ELECT	2200µF	20%	25V
RB121	1-239-409-11	RES, CHIP NETWORK	47	-3216		C6536	1-115-781-11	ELECT	220µF	20%	25V
RB122	1-239-409-11	RES, CHIP NETWORK	47	-3216		C6541	1-126-941-11	ELECT	470µF	20%	25V
RB123	1-239-409-11	RES, CHIP NETWORK	47	-3216		C6542	1-104-665-11	ELECT	100µF	20%	25V
RB124	1-239-409-11	RES, CHIP NETWORK	47	-3216		C6546	1-126-941-11	ELECT	470µF	20%	25V
RB125	1-233-574-11	RES, CHIP NETWORK	10			C6547	1-104-665-11	ELECT	100μF	20%	25V
RB126	1-233-574-11	RES, CHIP NETWORK	10			C6553	1-137-651-11	ELECT	560µF	20%	160V
RB127	1-233-574-11	RES, CHIP NETWORK	10			C6554	1-137-651-11	ELECT	560µF	20%	160V
RB128	1-233-574-11	RES, CHIP NETWORK	10			C6560	1-128-550-11	ELECT	2200µF	20%	50V
RB129	1-233-810-21	RES, NETWORK	100K	-3216		C6561	1-126-964-11	ELECT	10μF	20%	50V
RB130	1-233-810-21	RES, NETWORK	100K	-3216		C6567	1-126-947-11	ELECT	47µF	20%	25V
RB131	1-236-908-11	RES, CHIP NETWORK	10K	-3216		C6568	1-126-947-11	ELECT	47μF	20%	25V
RB132	1-236-908-11	RES, CHIP NETWORK	10K	-3216		C6569	1-104-665-11	ELECT	100µF	20%	25V
RB133	1-236-908-11	RES, CHIP NETWORK	10K	-3216		C6570	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
RB134	1-236-908-11	RES, CHIP NETWORK	10K	-3216		C6572	1-126-933-11	ELECT	100µF	20%	16V
RB135	1-233-416-11	RES, CHIP NETWORK	22K	-3216		C6573	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
RB136	1-233-416-11	RES, CHIP NETWORK	22K	-3216		C6575	1-126-963-11	ELECT	4.7µF	20%	50V
RB137	1-233-810-21	RES, NETWORK	100K	-3216		C6581	1-104-666-11	ELECT	220µF	20%	25V
RB138	1-233-810-21	RES, NETWORK	100K	-3216		C6702	1-161-964-91	CERAMIC	0.0047µF		250V
						C6703	1-161-964-91	CERAMIC	0.0047µF		250V
	CRYSTAL					C6704	1-100-215-11	ELECT	1800µF	20%	250V
V404		VIDDATOD ODVOTAL				<u> </u>	1-104-706-11	MYLAR	0.22µF	20%	250V
X101	1-795-098-21 1-795-116-21	VIBRATOR, CRYSTAL						OFFILMS	0 00 1 = =		0501
X102 X104	1-795-116-21	VIBRATOR, CERAMIC OSCILLATOR, CRYSTA	ı			C6707	1-161-964-91	CERAMIC	0.0047µF		250V
∧10 4	1-701-070-11	USCILLATUR, CRYSTA	L			C6708	1-161-964-91	CERAMIC	0.0047µF		250V
						C6709	1-164-645-11	CERAMIC	1000pF	10%	500V
						C6710	1-100-215-11	ELECT	1800µF	20%	250V
<u>*</u>	A-1300-410-A	G BOARD, COMPLETE				C6711	1-165-950-11	FILM	68000pF	3%	800V
						C6712	1-125-969-91	CERAMIC	680pF	10%	1KV
*	4-374-846-01	COVER, CAPACITOR, C	AP TYPE			C6714	1-162-974-11	CERAMIC CHIP	0.01µF		50V
	4-382-854-11	SCREW (M3X10), P, SW	/ (+)			C6715	1-136-479-11	FILM	0.001µF	2%	50V
						C6717	1-117-228-11	MYLAR	2.2µF	10%	450V
	CAPACITOR					C6718	1-136-165-00	FILM	0.1µF	5%	50V
C6501	1-126-933-11	ELECT	100µF	20%	16V	C6719	1-126-964-11	ELECT	10µF	20%	50V
C6502	1-126-937-11	ELECT	4700µF	20%	16V	C6720	1-125-969-91	CERAMIC	680pF	10%	1KV
C6503	1-126-933-11	ELECT	100µF	20%	16V	C6721	1-126-963-11	ELECT	4.7μF	20%	50V
C6514	1-126-943-11	ELECT	2200µF	20%	25V	03.21	5 555 11		pri	_0 /0	



REF. N	NO. PART NO.	DESCRIPTION	VALUE	S		RI	EF. NO.	PART NO.	DESCRIPTION	VALUES
C6723	3 1-126-949-11	ELECT	220µF	20%	35V			FERRITE BEAD		
C6724	1-126-967-11	ELECT	47µF	20%	50V		0500	4 440 000 44	FEDDITE	0.45.11
C6725	5 1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V		86503	1-410-396-41	FERRITE	0.45µH
C6726	1-126-947-11	ELECT	47µF	20%	25V		86504	1-410-396-41	FERRITE	0.45µH
C6727	7 1-126-968-11	ELECT	100µF	20%	50V		86505	1-410-397-21	FERRITE	1.1µH
						1	86508	1-410-397-21	FERRITE	1.1µH
	CONNECTOR					l FR	36509	1-410-396-41	FERRITE	0.45µH
CN65	03 1-779-092-11	PIN, CONNECTOR (P	C BOARD)	10P		FB	36510	1-410-396-41	FERRITE	0.45µH
* CN65	04 1-564-508-11	PLUG,CONNECTOR		5P			36511	1-410-396-41	FERRITE	0.45µH
* CN65	05 1-564-507-11	PLUG,CONNECTOR		4P		1	36512	1-410-396-41	FERRITE	0.45µH
CN65	06 1-764-334-11	PLUG, CONNECTOR		11P		FB	36703	1-410-396-41	FERRITE	0.45µH
* CN65	07 1-564-515-11	PLUG,CONNECTOR		12P						
* CN67	01 1-766-240-11	PIN,CONNECTOR (P	C BOARD)	2P				<u>IC</u>		
	DIODE					1	6501	8-759-394-35	IC BA12T	
D650 ²	8-719-988-61	DIODE 1SS355TE-17					6502	8-759-103-93	IC UPC393C	
D6502		DIODE 1333331E-17					6503	8-749-012-13	IC DM-58	
D6502		DIODE D103B34F				⚠ IC	6504	8-759-198-31	IC UPC1093J-1-T	
D6504		DIODE DSLC200 DIODE 1SS355TE-17				IC	6701	8-759-670-30	IC MCZ3001D	
D6502		DIODE 188355TE-17								
D0000	0-719-900-01	DIODE 1999991E-17						CHIP CONDUCTO	<u>OR</u>	
D6507	8-719-083-67	DIODE UDZSTE-1720)B			JR	86502	1-216-295-91	SHORT CHIP	0
D6511	8-719-060-89	DIODE D4SBS6-F				JR	86503	1-216-295-91	SHORT CHIP	0
D6514	8-719-063-74	DIODE D1NL20U-TR2	2			JR	86504	1-216-295-91	SHORT CHIP	0
D6515	8-719-060-89	DIODE D4SBS6-F				1	86505	1-216-295-91	SHORT CHIP	0
D6517	8-719-083-73	DIODE UDZSTE-1736	SB .			JR	86506	1-216-295-91	SHORT CHIP	0
D6518	8-719-050-18	DIODE D4SBL20U				I IR	86507	1-216-295-91	SHORT CHIP	0
D6519	8-719-060-89	DIODE D4SBS6-F				1	16508	1-216-295-91	SHORT CHIP	0
D6522	8-719-083-60	DIODE UDZSTE-174.	7B			1	16509	1-216-295-91	SHORT CHIP	0
D6523	8-719-988-61	DIODE 1SS355TE-17				1	16511	1-216-295-91	SHORT CHIP	0
D6524	8-719-988-61	DIODE 1SS355TE-17				1	16512	1-216-295-91	SHORT CHIP	0
						1	16513	1-216-295-91	SHORT CHIP	0
D6525	8-719-988-61	DIODE 1SS355TE-17				"	10010	1 210 200 01	OHOITH OHII	O .
D6526	8-719-988-61	DIODE 1SS355TE-17						COIL		
D6527	7 8-719-988-61	DIODE 1SS355TE-17						COIL		
D6534	8-719-018-84	DIODE D2S6MTA1				L6	501	1-406-661-21	INDUCTOR	22µH
D6535	8-719-018-84	DIODE D2S6MTA1				L6	504	1-412-529-11	INDUCTOR	22µH
						L6	505	1-412-529-11	INDUCTOR	22µH
D6537	7 8-719-018-84	DIODE D2S6MTA1				1	506	1-412-525-31	INDUCTOR	10μH
D6538		DIODE D2S6MTA1				1	507	1-412-525-31	INDUCTOR	10μH
D6539	8-719-988-61	DIODE 1SS355TE-17								·
D6540		DIODE 1SS355TE-17				L6	509	1-412-529-11	INDUCTOR	22µH
D6701		DIODE ERC04-06SE					511	1-412-529-11	INDUCTOR	22µH
						1	512	1-412-533-21	INDUCTOR	47μH
D6702	8-719-022-99	DIODE D6SB60L				1	513	1-412-533-21	INDUCTOR	47μH
D6703		DIODE ERC04-06SE				1	514	1-406-665-11	INDUCTOR	100µH
D6706		DIODE ERA22-08								•
D6712		DIODE 10ERA60-TA2	B5			L6	515	1-406-659-11	INDUCTOR	10μH
D6715		DIODE D1NL20U-TA2				1	517	1-414-189-31	INDUCTOR	100µH
D6716		DIODE 1SS355TE-17					518	1-412-524-11	INDUCTOR	8.2µH
20.10						1 -0	-		: = : :	r



_	REF. NO.	PART NO.	DESCRIPTION	VALUI	ES			REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
	L6519	1-412-524-11	INDUCTOR	8.2µH				R6523	1-216-821-11	RES-CHIP	1K	5%	1/10W
	L6520	1-414-158-11	INDUCTOR	2.2µH				R6524	1-216-833-11	RES-CHIP	10K	5%	1/10W
	L6521	1-414-158-11	INDUCTOR	2.2µH				R6525	1-216-821-11	RES-CHIP	1K	5%	1/10W
	L6701	1-424-862-11	INDUCTOR	33µH				R6526	1-216-833-11	RES-CHIP	10K	5%	1/10W
								R6527	1-216-837-11	RES-CHIP	22K	5%	1/10W
		PHOTO COUPLE	<u>:R</u>					R6528	1 016 007 11	RES-CHIP	221/	5%	1/10W
<u></u>	PH6001	8-749-924-35	PHOTO COUPLER	ON3171	-R		<u> </u>	R6535	1-216-837-11 1-218-740-11	METAL CHIP	22K 100K		1/16W
<u></u>	PH6002	8-749-924-35	PHOTO COUPLER	ON3171			<u>^:\</u>	R6536			68K		
	1110002	0 7 10 02 1 00	THOTO GOOD ELIK	0110171	11		7!\		1-218-736-11	METAL CHIP			1/16W 1/4W
		IC LINK						R6537 R6538	1-249-405-11 1-216-829-11	CARBON RES-CHIP	100 4.7K	5% 5%	1/4VV 1/10W
		IC LINK						K0000	1-210-029-11	KES-CHIP	4./ N	3%	1/1000
<u> </u>	PS6501	1-533-597-41	LINK, IC					R6539	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W
<u> </u>	PS6502	1-533-597-41	LINK, IC				<u>^</u>	R6702	1-202-933-61	FUSIBLE	0.1	10%	1/2W
<u> </u>	PS6503	1-533-597-31	LINK, IC					R6703	1-260-131-11	CARBON	470K	5%	1/2W
<u> </u>	PS6504	1-533-597-31	LINK, IC					R6705	1-240-251-11	CEMENTED	6.8	5%	10W
<u>^</u>	PS6505	1-533-597-31	LINK, IC					R6707	1-260-131-11	CARBON	470K	5%	1/2W
								10101	1 200 101 11	ONINDON	47010	0 /0	1/244
<u> </u>	PS6506	1-533-597-31	LINK, IC					R6709	1-260-328-11	CARBON	1K	5%	1/2W
<u> </u>	PS6507	1-533-282-21	LINK, IC					R6710	1-215-481-00	METAL	330K	1%	1/4W
	PS6508	1-533-597-31	LINK, IC					R6711	1-215-481-00	METAL	330K	1%	1/4W
	PS6509	1-533-597-31	LINK, IC				<u>^</u>	R6712	1-249-417-11	CARBON	1K	5%	1/4W
							\triangle	R6713	1-249-393-11	CARBON	10	5%	1/4W
		TRANSISTOR						1107 10	1210 000 11	O/ II ID O/ I	10	070	1, 111
	Q6502	8-729-026-49	TRANSISTOR 2SA103	R7ΔK-T146-	ΩR			R6714	1-215-481-00	METAL	330K	1%	1/4W
	Q6503	8-729-050-50	TRANSISTOR 2SD17					R6715	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	Q6504	8-729-120-28	TRANSISTOR 2SC24					R6718	1-216-833-11	RES-CHIP	10K	5%	1/10W
	Q6701	8-729-052-32	TRANSISTOR IRFIB7		χi V			R6721	1-218-715-11	METAL CHIP	9.1K	0.50%	1/16W
	Q6702	8-729-052-32	TRANSISTOR IRFIB7				<u> </u>	R6722	1-249-393-11	CARBON	10	5%	1/4W
	Q3.0 <u>-</u>	0 . 20 002 02											
		RESISTOR						R6723	1-218-720-11	METAL CHIP	15K		1/16W
		KEOIOTOK						R6725	1-249-393-11	CARBON	10	5%	1/4W
	R6501	1-216-073-91	RES-CHIP	10K	5%	1/10W		R6727	1-216-833-11	RES-CHIP	10K	5%	1/10W
	R6505	1-215-900-11	METAL OXIDE	22K	5%	2W		R6728	1-243-979-71	METAL OXIDE	0.1	5%	2W
	R6506	1-216-361-00	METAL OXIDE	0.22	5%	2W		R6729	1-243-979-71	METAL OXIDE	0.1	5%	2W
	R6507	1-216-073-91	RES-CHIP	10K	5%	1/10W							
	R6508	1-216-375-00	METAL OXIDE	3.3	5%	2W		R6730	1-218-668-11	METAL CHIP	100		1/16W
								R6731	1-218-675-11	METAL CHIP	200		1/16W
	R6510	1-216-821-11	RES-CHIP	1K	5%	1/10W		R6732	1-216-813-11	RES-CHIP	220	5%	1/10W
	R6511	1-216-824-11	RES-CHIP	1.8K	5%	1/10W	1	R6733	1-216-813-11	RES-CHIP	220	5%	1/10W
	R6512	1-216-833-11	RES-CHIP	10K	5%	1/10W							
	R6513	1-216-295-91	SHORT CHIP	0					RELAY				
	R6514	1-216-833-11	RES-CHIP	10K	5%	1/10W	\wedge	D\/0704	4 755 005 44	DELAY (AO DOMED)			
								RY6701	1-755-395-11	RELAY (AC POWER)			
	R6515	1-216-821-11	RES-CHIP	1K	5%	1/10W	<u> </u>	RY6702	1-755-395-11	RELAY (AC POWER)			
<u>^</u>		1-218-740-11	METAL CHIP	100K		1/16W			TRANSFORME				
<u>^</u>	R6517	1-218-708-11	METAL CHIP	4.7K		1/16W			TRANSFORMER				
<u> </u>	R6518	1-249-415-11	CARBON	680	5%	1/4W	<u>^</u>	T6703	1-437-738-11	TRANSFORMER, CON	VERTER (F	PIT)	
	R6519	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W			100 11		. =. (1 = 1 (1	,	
	R6520	1-218-690-11	METAL CHIP	820	0.50%	1/16W	1						
	R6521	1-216-833-11	RES-CHIP	10K	5%	1/10W							
	110021	1-7 10-000-11	INEO-OI III	IUIN	J /0	1/1000	1						



REF. NO.	PART NO.	DESCRIPTION	VALUE	s		REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
$\overline{\Lambda}$	٦					C9450	1-164-156-11	CERAMIC CHIP	0.1µF		25V
Aυ						C9452	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
	_					C9453	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
		repairable. If servic		•		C9454	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	50V
		r to order a complet	e replacem	ent bo	ard.	C9458	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	50V
Data is p	rovided for refer	ence only.									
*	A-1300-411-A	AD BOARD, COM	PLETE			C9459	1-164-156-11	CERAMIC CHIP	0.1µF		25V 25V
						C9460	1-164-156-11	CERAMIC CHIP	0.1µF		25V 25V
	CAPACITOR					C9461 C9462	1-164-156-11 1-126-933-11	CERAMIC CHIP ELECT	0.1μF 100μF	20%	25V 16V
	CAFACITOR					C9462 C9463	1-126-933-11	ELECT	100μF 100μF	20%	16V
C9401	1-126-933-11	ELECT	100µF	20%	16V	C9403	1-120-933-11	ELECT	ΙυυμΓ	20%	101
C9402	1-126-933-11	ELECT	100µF	20%	16V	00464	1 106 000 11	FLECT	100	200/	161/
C9403	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C9464	1-126-933-11	ELECT CHIR	100µF	20%	16V
C9404	1-162-919-11	CERAMIC CHIP	22pF	5%	50V	C9465	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9405	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C9466	1-164-156-11	CERAMIC CHIP	0.1µF		25V
						C9467	1-164-156-11	CERAMIC CHIP	0.1µF	=0/	25V
C9406	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C9468	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C9407	1-164-156-11	CERAMIC CHIP	0.1µF		25V						
C9408	1-162-919-11	CERAMIC CHIP	22pF	5%	50V	C9469	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C9409	1-126-933-11	ELECT	100µF	20%	16V	C9470	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
C9410	1-164-156-11	CERAMIC CHIP	0.1µF	2070	25V	C9471	1-126-947-11	ELECT	47µF	20%	25V
00110	1 101 100 11	OLIVIMIO OIIII	0.1μ1		201	C9472	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
C9411	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V	C9474	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9413	1-164-156-11	CERAMIC CHIP	0.0022µi	10 /0	25V						
C9413	1-126-933-11	ELECT	0.1μ1 100μF	20%	16V	C9475	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9414 C9415	1-164-156-11	CERAMIC CHIP	0.1μF	20 /0	25V	C9476	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9415	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V	C9478	1-164-156-11	CERAMIC CHIP	0.1µF		25V
03410	1-104-130-11	CENAIVIIC CI IIF	υ. τμι		231	C9480	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C9419	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C9481	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C9419 C9422	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V						
C9422	1-164-156-11	CERAMIC CHIP	-		25V 25V	C9482	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	50V
C9424			0.1µF		25V 25V	C9483	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	50V
	1-164-156-11	CERAMIC CHIP	0.1µF			C9484	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9426	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C9485	1-164-156-11	CERAMIC CHIP	0.1µF		25V
00407	4 404 450 44	OEDAMIO OLUB	0.4		051/	C9486	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9427	1-164-156-11	CERAMIC CHIP	0.1µF	000/	25V						
C9428	1-126-933-11	ELECT	100µF	20%	16V	C9488	1-126-933-11	ELECT	100µF	20%	16V
C9429	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C9489	1-126-933-11	ELECT	100µF	20%	16V
C9430	1-164-156-11	CERAMIC CHIP	0.1µF	222/	25V	C9490	1-126-933-11	ELECT	100µF	20%	16V
C9431	1-126-963-11	ELECT	4.7µF	20%	50V	C9491	1-164-156-11	CERAMIC CHIP	0.1µF		25V
						C9492	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9432	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V				'		
C9433	1-126-933-11	ELECT	100µF	20%	16V	C9493	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9434	1-126-933-11	ELECT	100µF	20%	16V	C9494	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9440	1-164-315-11	CERAMIC CHIP	470pF	5%	50V	C9495	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C9441	1-164-315-11	CERAMIC CHIP	470pF	5%	50V	C9498	1-126-933-11	ELECT	100μF	20%	16V
						C9501	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C9442	1-115-412-11	CERAMIC CHIP	680pF	5%	25V	30001	. 101 010 11	521 U IIII O OI III	spi	0 /0	
C9444	1-115-412-11	CERAMIC CHIP	680pF	5%	25V	C9502	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
C9446	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C9503	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C9447	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C9505	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
C9448	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C9505	1-113-412-11	CERAMIC CHIP	0.1µF	J /0	25V
						1 69300	1-104-100-11	CENAIVIIC CHIP	υ. ιμι		2JV



REF. NO.	PART NO.	DESCRIPTION	VALUES	S		REF. NO.	PART NO.	DESCRIPTION	VALUES
C9508	1-164-156-11	CERAMIC CHIP	0.1µF		25V		DIODE		
C9509	1-164-156-11	CERAMIC CHIP	0.1µF		25V				
C9511	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	D9400	8-719-988-61	DIODE 1SS355TE-17	
C9512	1-164-156-11	CERAMIC CHIP	0.1µF		25V	D9401	8-719-988-61	DIODE 1SS355TE-17	
C9514	1-162-910-11	CERAMIC CHIP	5pF	0.25pF		D9402	8-719-988-61	DIODE 1SS355TE-17	
			- 1			D9404	8-719-988-61	DIODE 1SS355TE-17	
C9515	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	D9405	8-719-988-61	DIODE 1SS355TE-17	
C9516	1-162-910-11	CERAMIC CHIP	5pF	0.25pF					
C9517	1-164-156-11	CERAMIC CHIP	0.1µF		25V	D9406	8-719-069-54	DIODE UDZSTE-175.1B	
C9518	1-164-156-11	CERAMIC CHIP	0.1µF		25V	D9407	8-719-069-54	DIODE UDZSTE-175.1B	
C9520	1-164-173-11	CERAMIC CHIP	0.0039µF	10%	50V	D9408	8-719-069-54	DIODE UDZSTE-175.1B	
						D9409	8-719-069-54	DIODE UDZSTE-175.1B	
C9521	1-164-173-11	CERAMIC CHIP	0.0039µF	10%	50V				
C9523	1-164-173-11	CERAMIC CHIP	0.0039µF		50V		FERRITE BEAD		
C9524	1-164-173-11	CERAMIC CHIP	0.0039µF	10%	50V	FD0404	1 414 445 11	FEDDITE	Ould
C9525	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9401	1-414-445-11	FERRITE	0μH
C9526	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9402	1-414-445-11	FERRITE	0μΗ
			·			FB9403	1-414-445-11	FERRITE	0μΗ
C9527	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9404	1-414-445-11	FERRITE	0μH
C9528	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9405	1-414-445-11	FERRITE	0μΗ
C9531	1-164-156-11	CERAMIC CHIP	0.1µF		25V	EDOVOE	1 111 115 11	CEDDITE	∩uLl
C9532	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9406	1-414-445-11	FERRITE	0μH
C9540	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9407	1-414-445-11	FERRITE	0μH
			·			FB9408 FB9409	1-414-445-11	FERRITE FERRITE	0μH
C9541	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9419 FB9410	1-414-445-11	FERRITE	0μH
C9542	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FD9410	1-414-445-11	FERRITE	0μΗ
C9543	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9411	1-414-445-11	FERRITE	0μΗ
C9546	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9412	1-414-445-11	FERRITE	•
C9547	1-164-392-11	CERAMIC CHIP	390pF	5%	50V	FB9413		FERRITE	0μH 0μH
						FB9414	1-414-445-11 1-414-445-11	FERRITE	0μΗ
C9548	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	FB9415	1-414-445-11	FERRITE	0μΗ
C9549	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V	FB9413	1-414-440-11	FERRITE	υμιι
C9550	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9416	1-414-445-11	FERRITE	0μH
C9552	1-162-974-11	CERAMIC CHIP	0.01µF		50V	FB9417	1-414-445-11	FERRITE	0μH
C9553	1-126-947-11	ELECT	47µF	20%	25V	1 03417	1-414-440-11	TEMMIL	ομι ι
C9554	1-126-947-11	ELECT	47µF	20%	25V		<u>IC</u>		
C9555	1-126-947-11	ELECT	47μF	20%	25V	IC9400	8-752-932-80	IC CXP86460-645Q	
C9556	1-126-916-11	ELECT	1000µF	20%	6.3V				
C9557	1-164-156-11	CERAMIC CHIP	0.1μF	2070	25V	IC9401	8-759-683-55	IC CM0017AF	
C9558	1-126-933-11	ELECT	100μF	20%	16V	IC9402	6-700-319-01	IC M24128-BWMN6T	
C9559	1-164-156-11	CERAMIC CHIP	0.1μF	2070	25V	IC9403	8-759-352-91	IC PST9143NL	
•		0=. 00 0	νμ.			IC9405	8-759-830-08	IC NJM2068V-TE2	
	CONNECTOR					IC9406	8-759-830-08	IC NJM2068V-TE2	
CNIDADO	1 572 201 21	CONNECTOD BOARD	TO DO ADD	200		IC9407	8-759-829-87	IC CD0031AM	
CN9400	1-573-301-21	CONNECTOR, BOARD				IC9408	8-759-830-08	IC NJM2068V-TE2	
CN9401	1-573-301-21	CONNECTOR, BOARD	IO DUAKD			IC9409	8-759-830-08	IC NJM2068V-TE2	
* CN9402	1-564-511-11	PLUG,CONNEC2TOR		8P		IC9410	8-759-830-08	IC NJM2068V-TE2	
						IC9411	8-759-830-08	IC NJM2068V-TE2	
						IC9413	8-759-278-58	IC NJM4558V-TE2	
						IC9414	8-759-278-58	IC NJM4558V-TE2	



REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VALI	JES	
IC9415	8-759-278-58	IC NJM4558V-TE2				R9419	1-216-839-11	RES-CHIP	33K	5%	1/10W
IC9416	8-759-278-58	IC NJM4558V-TE2				R9420	1-216-821-11	RES-CHIP	1K	5%	1/10W
IC9420	8-759-830-08	IC NJM2068V-TE2				R9421	1-216-821-11	RES-CHIP	1K	5%	1/10W
IC9422	8-759-641-26	IC NJM2391DL1-33(TE	1)			R9422	1-216-818-11	RES-CHIP	560	5%	1/10W
.00.22	0.000020		.,			R9423	1-216-809-11	RES-CHIP	100	5%	1/10W
	COIL										
1.0404	4 400 555 04	INDUCTOR	40			R9424	1-216-809-11	RES-CHIP	100	5%	1/10W
L9401	1-469-555-21	INDUCTOR	10μH			R9425	1-216-833-11	RES-CHIP	10K	5%	1/10W
						R9426	1-216-821-11	RES-CHIP	1K	5%	1/10W
	TRANSISTOR					R9428	1-216-809-11	RES-CHIP	100	5%	1/10W
Q9400	8-729-026-49	TRANSISTOR 2SA103	7AK-T146-	·QR		R9429	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
Q9401	8-729-026-49	TRANSISTOR 2SA103	7AK-T146-	·QR		R9430	1 216 021 11	RES-CHIP	1K	5%	1/10W
Q9402	8-729-026-49	TRANSISTOR 2SA103	7AK-T146-	·QR		R9431	1-216-821-11 1-216-825-11	RES-CHIP	2.2K	5%	1/10W
Q9403	8-729-120-28	TRANSISTOR 2SC241	2K-T-146-0	QR		R9431					
Q9405	8-729-120-28	TRANSISTOR 2SC241	2K-T-146-0	QR		1	1-216-815-11	RES-CHIP	330	5%	1/10W
						R9433 R9434	1-216-825-11 1-216-833-11	RES-CHIP RES-CHIP	2.2K 10K	5% 5%	1/10W 1/10W
Q9406	8-729-120-28	TRANSISTOR 2SC241	2K-T-146-0	QR		13434	1-210-055-11	NEO-OITIF	TUR	J /0	1/1000
Q9407	8-729-120-28	TRANSISTOR 2SC241				R9435	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
Q9408	8-729-120-28	TRANSISTOR 2SC241	2K-T-146-0	QR		R9436	1-216-809-11	RES-CHIP	100	5%	1/10W
Q9411	8-729-120-28	TRANSISTOR 2SC241	2K-T-146-0	QR		R9437	1-216-809-11	RES-CHIP	100	5%	1/10W
Q9412	8-729-120-28	TRANSISTOR 2SC241	2K-T-146-0	QR		R9438	1-216-815-11	RES-CHIP	330	5%	1/10W
						R9439	1-216-815-11	RES-CHIP	330	5%	1/10W
Q9413	8-729-120-28	TRANSISTOR 2SC241	2K-T-146-0	QR		110100	121001011	1120 01111	000	070	171011
Q9414	8-729-120-28	TRANSISTOR 2SC241	2K-T-146-0	QR		R9440	1-216-817-11	RES-CHIP	470	5%	1/10W
Q9415	8-729-120-28	TRANSISTOR 2SC241	2K-T-146-0	QR		R9441	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
Q9416	8-729-028-28	TRANSISTOR 2SK203	6(TE85L)			R9442	1-218-700-11	METAL CHIP	2.2K		1/16W
Q9417	8-729-028-28	TRANSISTOR 2SK203	6(TE85L)			R9443	1-218-692-11	METAL CHIP	1K		1/16W
						R9444	1-216-837-11	RES-CHIP	22K	5%	1/10W
	RESISTOR										
R9400	1-216-841-11	RES-CHIP	47K	5%	1/10W	R9446	1-216-821-11	RES-CHIP	1K	5%	1/10W
R9401	1-216-809-11	RES-CHIP	100	5%	1/10W	R9447	1-216-821-11	RES-CHIP	1K	5%	1/10W
R9402	1-216-833-11	RES-CHIP	10K	5%	1/10W	R9448	1-216-818-11	RES-CHIP	560	5%	1/10W
R9403	1-216-864-11	SHORT CHIP	0			R9449	1-216-823-11	RES-CHIP	1.5K	5%	1/10W
R9404	1-216-833-11	RES-CHIP	10K	5%	1/10W	R9450	1-216-823-11	RES-CHIP	1.5K	5%	1/10W
D 0.40 T				-0/		R9451	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W
R9405	1-216-821-11	RES-CHIP	1K	5%	1/10W	R9452	1-218-700-11	METAL CHIP	2.2K		1/16W
R9406	1-216-837-11	RES-CHIP	22K	5%	1/10W	R9453	1-216-833-11	RES-CHIP	10K	5%	1/10W
R9407	1-216-821-11	RES-CHIP	1K	5%	1/10W	R9454	1-218-700-11	METAL CHIP	2.2K		1/16W
R9408	1-216-821-11	RES-CHIP	1K	5%	1/10W	R9455	1-218-700-11	METAL CHIP	2.2K	0.50%	
R9410	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	110400	1-210-700-11	WIL TAL OTTI	2.21	0.0070	1/10
R9411	1-216-809-11	RES-CHIP	100	5%	1/10W	R9456	1-216-833-11	RES-CHIP	10K	5%	1/10W
R9412	1-216-823-11	RES-CHIP	1.5K	5%	1/10W	R9457	1-216-833-11	RES-CHIP	10K	5%	1/10W
R9413	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R9458	1-216-839-11	RES-CHIP	33K	5%	1/10W
R9414	1-216-823-11	RES-CHIP	1.5K	5%	1/10W	R9459	1-218-724-11	METAL CHIP	22K	0.50%	1/16W
R9415	1-216-821-11	RES-CHIP	1K	5%	1/10W	R9460	1-218-724-11	METAL CHIP	22K	0.50%	1/16W
						R9461	1-218-724-11	METAL CHIP	22K	U EU0/	1/16W
R9416	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R9461 R9462			22K 22K		1/16W
R9417	1-216-809-11	RES-CHIP	100	5%	1/10W		1-218-724-11	METAL CHIP			
R9418	1-216-809-11	RES-CHIP	100	5%	1/10W	R9463	1-218-716-11	METAL CHIP	10K		1/16W
						R9464	1-218-716-11	METAL CHIP	10K	0.50%	1/16W



R496 1216-76-11 METAL CHIP 10K 0.50% (1/9W) R8941 1216-722-11 RES-CHIP 3.3K 5% (1/9W) R8967 1216-702-11 METAL CHIP 2.2K 0.50% (1/9W) R8945 1216-823-11 RES-CHIP 3.0K 5% (1/9W) R8946 1216-702-11 METAL CHIP 2.2K 0.50% (1/9W) R8946 1216-722-11 METAL CHIP 2.2K 0.50% (1/9W) R8946 1216-722-11 METAL CHIP 15K 0.50% (1/9W) R8947 1.216-722-11 METAL CHIP 2.2K 0.50% (1/9W) R8946 1.216-722-11 METAL CHIP 15K 0.50% (1/9W) R8947 1.216-722-11 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-CHIP 1 METAL CHIP 2.2K 0.50% (1/9W) R8940 1.216-827-11 RES-C	REF. NO.	PART NO.	DESCRIPTION	VALUE	ES .		REF. NO.	PART NO.	DESCRIPTION	VALUE	s	
R9467 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9468 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9468 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9548 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9548 1-218-70-11 METAL CHIP 100K 0.50% 1/16W R9549 1-218-70-11 METAL CHIP 100K 0.50% 1/16W R9549 1-218-70-11 METAL CHIP 100K 0.50% 1/16W R9549 1-218-70-11 METAL CHIP 2.2K 0.50% 1/16W R9550 1-218-80-11 RES-CHIP 1.0K 0.50% 1/16W R9550	R9465	1-218-716-11	METAL CHIP	10K	0.50%	1/16W	R9541	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
R9488 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R8548 1-218-70-11 METAL CHIP 19K 0.50% 1/16W R8548 1-218-70-11 METAL CHIP 19K 0.50% 1/16W R8548 1-218-70-11 METAL CHIP 10K 0.50% 1/16W R8548 1-218-70-11 METAL CHIP 2.2K 0.50% 1/16W R8549 1-218-72-11 METAL CHIP 2.2K 0.50% 1/16W R8559 1-218-72-11 METAL CHIP 10K 0.50% 1/16W R8559 1-218-72-11 METAL CHIP 2.2K 0.50% 1/16W R8569 1-218-72-11 METAL CHIP 0.0K 0.50% 1/16W R8569 1-218-72-11 METAL CHIP 0.0K 0.50% 1/16W R8569 1-218-72-11 METAL CHIP 0.0K 0.50% 1/16W R8569 1-218-72-11 METAL CHIP 0.	R9466	1-218-716-11	METAL CHIP	10K	0.50%	1/16W	R9542	1-218-714-11	METAL CHIP	8.2K	0.50%	1/16W
R9469 1-218-700-11 METAL CHIP 2-2K 0.50% 1/16W R9549 1-218-722-11 METAL CHIP 10K 0.50% 1/16W R9547 1-218-722-11 METAL CHIP 2-2K 0.50% 1/16W R9550 1-218-527-11 METAL CHIP 2-2K 0.50% 1/16W R9550 1-218-527-11 RESCHIP 2-2K 0.50% 1/16W R9551 1-218-527-11 RESCHIP 1K 5% 1/10W R9473 1-218-724-11 METAL CHIP 2-2K 0.50% 1/16W R9551 1-218-527-11 RESCHIP 1K 5% 1/10W R9474 1-218-724-11 METAL CHIP 2-2K 0.50% 1/16W R9551 1-218-527-11 RESCHIP 1K 5% 1/10W R9474 1-218-724-11 METAL CHIP 2-2K 0.50% 1/16W R9551 1-218-527-11 RESCHIP 1K 5% 1/10W R9476 1-218-700-11 METAL CHIP 10K 0.50% 1/16W R9556 1-218-527-11 RESCHIP 1K 5% 1/10W R9478 1-218-700-11 METAL CHIP 2-2K 0.50% 1/16W R9559 1-218-527-11 RESCHIP 1K 5% 1/10W R9486 1-218-700-11 METAL CHIP 2-2K 0.50% 1/16W R9559 1-218-527-11 RESCHIP 1K 5% 1/10W R9486 1-218-700-11 METAL CHIP 2-2K 0.50% 1/16W R9559 1-218-527-11 RESCHIP 1K 5% 1/10W R9486 1-218-700-11 METAL CHIP 2-2K 0.50% 1/16W R9559 1-218-527-11 RESCHIP 10K 5% 1/10W R9486 1-218-700-11 METAL CHIP 2-2K 0.50% 1/16W R9559 1-218-527-11 RESCHIP 10K 5% 1/10W R9486 1-218-700-11 METAL CHIP 2-2K 0.50% 1/16W R9569 1-218-527-11 RESCHIP 10K 5% 1/10W R9486 1-218-700-11 METAL CHIP 2-2K 0.50% 1/16W R9569 1-218-527-11 ME	R9467	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W	R9545	1-216-839-11	RES-CHIP	33K	5%	1/10W
R9470	R9468	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W	R9546	1-218-720-11	METAL CHIP	15K	0.50%	1/16W
R9470	R9469	1-218-700-11	METAL CHIP		0.50%	1/16W	R9548	1-218-740-11	METAL CHIP	100K	0.50%	1/16W
R9471 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9551 1-216-809-11 RES-CHIP 20K 5% 1/10W R9473 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9551 1-216-809-11 RES-CHIP 1K 5% 1/10W R9474 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9553 1-216-822-11 RES-CHIP 1K 5% 1/10W R9474 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9553 1-216-821-11 RES-CHIP 1K 5% 1/10W R9475 1-218-736-11 METAL CHIP 10K 0.50% 1/16W R9557 1-216-821-11 RES-CHIP 1K 5% 1/10W R9477 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9557 1-216-821-11 RES-CHIP 1K 5% 1/10W R9477 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9558 1-216-821-11 RES-CHIP 1K 5% 1/10W R9478 1-218-710-11 METAL CHIP 10K 0.50% 1/16W R9559 1-216-821-11 RES-CHIP 1K 5% 1/10W R9478 1-218-710-11 METAL CHIP 22K 0.50% 1/16W R9559 1-216-821-11 RES-CHIP 1K 5% 1/10W R9481 1-218-700-11 METAL CHIP 22K 0.50% 1/16W R9481 1-218-70-11 METAL CHIP 22K 0.50% 1/16W R9481 1-218-80-11 SHORT CHIP 0 R9487 1-218-72-11 METAL CHIP 22K 0.50% 1/16W R9591 1-218-80-11 SHORT CHIP 0 R9481 1-218-716-11 METAL CHIP 22K 0.50% 1/16W R9591 1-218-80-11 SHORT CHIP 0 R9481 1-218-716-11 METAL CHIP 22K 0.50% 1/16W R9591 1-218-80-11 SHORT CHIP 0 R9481 1-218-716-11 METAL CHIP 22K 0.50% 1/16W R9591 1-218-80-11 SHORT CHIP 0 R9481 1-218-716-11 METAL CHIP 22K 0.50% 1/16W R9591 1-218-80-11 SHORT CHIP 0 R9481 1-218-716-11 METAL CHIP 22K 0.50% 1/16W R9591 1-218-80-11 SHORT CHIP 0 R9481 1-218-80-11 METAL CHIP 22K 0.50% 1/16W R9591												
R8472 1-2/8-724-11 METAL CHIP 22K 0.50% 1/16W R8551 1-2/8-821-11 RES-CHIP 10 5% 1/10W R8474 1-2/8-724-11 METAL CHIP 22K 0.50% 1/16W R8553 1-2/8-821-11 RES-CHIP 1K 5% 1/10W R8474 1-2/8-724-11 METAL CHIP 22K 0.50% 1/16W R8553 1-2/8-821-11 RES-CHIP 1K 5% 1/10W R8476 1-2/8-724-11 METAL CHIP 10K 0.50% 1/16W R8556 1-2/8-821-11 RES-CHIP 1K 5% 1/10W R8476 1-2/8-724-11 METAL CHIP 10K 0.50% 1/16W R8557 1-2/8-821-11 RES-CHIP 1K 5% 1/10W R8477 1-2/8-716-11 METAL CHIP 10K 0.50% 1/16W R8557 1-2/8-821-11 RES-CHIP 1K 5% 1/10W R8478 1-2/8-706-11 METAL CHIP 10K 0.50% 1/16W R8559 1-2/8-821-11 RES-CHIP 1K 5% 1/10W R8479 1-2/8-706-11 METAL CHIP 2.2K 0.50% 1/16W R8559 1-2/8-821-11 RES-CHIP 1K 5% 1/10W R8480 1-2/8-706-11 METAL CHIP 2.2K 0.50% 1/16W R8559 1-2/8-821-11 RES-CHIP 1K 5% 1/10W R8480 1-2/8-706-11 METAL CHIP 2.2K 0.50% 1/16W R8568 1-2/8-833-11 RES-CHIP 10K 5% 1/10W R8480 1-2/8-706-11 METAL CHIP 2.2K 0.50% 1/16W R8569 1-2/8-833-11 RES-CHIP 10K 5% 1/10W R8480 1-2/8-706-11 METAL CHIP 2.2K 0.50% 1/16W R8569 1-2/8-833-11 RES-CHIP 10K 5% 1/10W R8480 1-2/8-724-11 METAL CHIP 2.2K 0.50% 1/16W R8569 1-2/8-884-11 SHORT CHIP 0 1/16W R8480 1-2/8-724-11 METAL CHIP 2.2K 0.50% 1/16W R8571 1-2/8-884-11 SHORT CHIP 0 1/16W R8480 1-2/8-724-11 METAL CHIP 2.2K 0.50% 1/16W R8571 1-2/8-884-11 SHORT CHIP 0 1/16W 1/1	R9470	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W	R9549	1-218-722-11	METAL CHIP	18K	0.50%	1/16W
R8473 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R8551 1-216-821-11 RES-CHIP 1K 5% 1/16W R8475 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R8555 1-216-821-11 RES-CHIP 1K 5% 1/16W R8476 1-218-71-11 METAL CHIP 10K 0.50% 1/16W R8555 1-216-821-11 RES-CHIP 1K 5% 1/16W R8477 1-218-71-11 METAL CHIP 10K 0.50% 1/16W R8556 1-216-821-11 RES-CHIP 1K 5% 1/16W R8477 1-218-71-11 METAL CHIP 10K 0.50% 1/16W R8557 1-216-821-11 RES-CHIP 1K 5% 1/16W R8479 1-218-700-11 METAL CHIP 0.50% 1/16W R8558 1-216-821-11 RES-CHIP 1K 5% 1/16W R8479 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R8556 1-216-821-11 RES-CHIP 1K 5% 1/16W R8481 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R8566 1-216-821-11 RES-CHIP 1K 5% 1/16W R8481 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R8566 1-216-821-11 RES-CHIP 10K 5% 1/16W R8481 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R8566 1-216-821-11 RES-CHIP 10K 5% 1/16W R8481 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R8568 1-216-831-11 RES-CHIP 10K 5% 1/16W R8481 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R8568 1-216-804-11 SHORT CHIP 0 10K 5% 1/16W R8568 1-216-804-11 SHORT CHIP 0 10K 5% 1/16W R8568 1-216-804-11 SHORT CHIP 0 10K 5% 1/16W R8569 1-216-804-11 SHORT CHIP 0 10K 5% 1/16W R8571 1-216-804-11 SHORT CHIP 0 10K 5% 1/16W R8572 1	R9471	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	R9550	1-216-837-11	RES-CHIP	22K	5%	1/10W
R9474 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9554 1-216-821-11 RES-CHIP 1K 5% 1/10W R9475 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9555 1-216-823-11 RES-CHIP 10K 5% 1/10W R9477 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9555 1-216-821-11 RES-CHIP 1K 5% 1/10W R9478 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9555 1-216-821-11 RES-CHIP 1K 5% 1/10W R9479 1-218-700-11 METAL CHIP 20K 0.50% 1/16W R9558 1-216-821-11 RES-CHIP 1K 5% 1/10W R9479 1-218-700-11 METAL CHIP 20K 0.50% 1/16W R9559 1-216-821-11 RES-CHIP 1K 5% 1/10W R9480 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9559 1-216-833-11 RES-CHIP 10K 5% 1/10W R9481 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9566 1-216-833-11 RES-CHIP 10K 5% 1/10W R9481 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9566 1-216-833-11 RES-CHIP 10K 5% 1/10W R9481 1-218-724-11 METAL CHIP 2.2K 0.50% 1/16W R9567 1-216-833-11 RES-CHIP 10K 5% 1/10W R9481 1-218-724-11 METAL CHIP 2.2K 0.50% 1/16W R9567 1-216-833-11 RES-CHIP 0.5 % 1/10W R9481 1-218-724-11 METAL CHIP 2.2K 0.50% 1/16W R9568 1-216-833-11 RES-CHIP 0.5 % 1/10W R9481 1-218-724-11 METAL CHIP 2.2K 0.50% 1/16W R9571 1-216-834-11 SHORT CHIP 0.5 % 1/10W R9481 1-218-724-11 METAL CHIP 10K 0.50% 1/16W R9571 1-216-834-11 SHORT CHIP 0.5 % 1/10W R9481 1-218-724-11 METAL CHIP 10K 0.50% 1/16W R9571 1-216-834-11 SHORT CHIP 0.5 % 1/10W R9481 1-218-724-11 METAL CHIP 10K 0.50% 1/16W R9571 1-216-834-11 SHORT CHIP 0.5 % 1/10W R9484 1-218-724-11 METAL CHIP 10K 0.50% 1/16W R9571 1-216-834-11 SHORT CHIP 0.5 % 1/10W R9484 1-218-724-11 METAL CHIP 0.5 % 1/10W R9571 1-216-834-11 RES-CHIP 0.5 %	R9472	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	R9551	1-216-809-11	RES-CHIP	100	5%	1/10W
R9474 1-216-824-11 METAL CHIP 22K 0.50% 1/16W R9554 1-216-821-11 RES-CHIP 1K 5% 1/10W R9476 1-216-716-11 METAL CHIP 10K 0.50% 1/16W R9556 1-216-833-11 RES-CHIP 1K 5% 1/10W R9476 1-216-716-11 METAL CHIP 10K 0.50% 1/16W R9556 1-216-821-11 RES-CHIP 1K 5% 1/10W R9478 1-216-716-11 METAL CHIP 10K 0.50% 1/16W R9568 1-216-821-11 RES-CHIP 1K 5% 1/10W R9478 1-216-700-11 METAL CHIP 22K 0.50% 1/16W R9565 1-216-821-11 RES-CHIP 1K 5% 1/10W R9480 1-216-700-11 METAL CHIP 2.2K 0.50% 1/16W R9566 1-216-833-11 RES-CHIP 1K 5% 1/10W R9480 1-216-700-11 METAL CHIP 2.2K 0.50% 1/16W R9566 1-216-833-11 RES-CHIP 10K 5% 1/10W R9480 1-216-700-11 METAL CHIP 2.2K 0.50% 1/16W R9566 1-216-833-11 RES-CHIP 10K 5% 1/10W R9480 1-216-700-11 METAL CHIP 2.2K 0.50% 1/16W R9567 1-216-833-11 RES-CHIP 10K 5% 1/10W R9480 1-216-700-11 METAL CHIP 22K 0.50% 1/16W R9567 1-216-833-11 RES-CHIP 0 1/10W R9480 1-216-716-11 METAL CHIP 22K 0.50% 1/16W R9567 1-216-884-11 SHORT CHIP 0 1/10W R9480 1-216-716-11 METAL CHIP 20K 0.50% 1/16W R9571 1-216-884-11 SHORT CHIP 0 1/10W R9480 1-216-716-11 METAL CHIP 10K 0.50% 1/16W R9571 1-216-884-11 SHORT CHIP 0 1/10W R9480 1-216-716-11 METAL CHIP 10K 0.50% 1/16W R9571 1-216-884-11 SHORT CHIP 0 1/10W R9480 1-216-716-11 METAL CHIP 10K 0.50% 1/16W R9571 1-216-884-11 SHORT CHIP 0 1/10W R9480 1-216-716-11 METAL CHIP 0.50% 1/16W R9571 1-216-884-11 RES-CHIP 10K 5% 1/10W R9490 1-216-716-11 METAL CHIP 0.50% 1/16W R9571 1-216-884-11 RES-CHIP 10K 5% 1/10W R9490 1-216-716-11 METAL CHIP 0.50% 1/16W R9571 1-216-894-11 RES-CHIP 10K 5% 1/10W R9490 1-216-833-11 RES-CHIP 60K 5% 1/10W R9490 1-216-833-11 RES-CHIP 60K 5%	R9473	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	R9553	1-216-821-11	RES-CHIP	1K	5%	1/10W
R9476	R9474	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	R9554	1-216-821-11	RES-CHIP	1K	5%	1/10W
R9476												
R9477 1-216-716-11 METAL CHIP 10K 0.50% 116W R9557 1-216-821-11 RES-CHIP 1K 5% 1170W R9478 1-216-706-11 METAL CHIP 22K 0.50% 116W R9558 1-216-821-11 RES-CHIP 1K 5% 1170W R9480 1-216-700-11 METAL CHIP 22K 0.50% 116W R9569 1-216-823-11 RES-CHIP 1K 5% 1170W R9480 1-216-700-11 METAL CHIP 2.2K 0.50% 116W R9566 1-216-833-11 RES-CHIP 10K 5% 1170W R9482 1-216-700-11 METAL CHIP 2.2K 0.50% 116W R9567 1-216-833-11 RES-CHIP 10K 5% 1170W R9482 1-216-700-11 METAL CHIP 22K 0.50% 116W R9567 1-216-833-11 RES-CHIP 10K 5% 1170W R9482 1-216-724-11 METAL CHIP 22K 0.50% 116W R9569 1-216-864-11 SHORT CHIP 0 R9486 1-216-724-11 METAL CHIP 22K 0.50% 116W R9571 1-216-864-11 SHORT CHIP 0 R9487 1-216-724-11 METAL CHIP 22K 0.50% 116W R9571 1-216-864-11 SHORT CHIP 0 R9487 1-216-724-11 METAL CHIP 10K 0.50% 116W R9571 1-216-864-11 SHORT CHIP 0 R9487 1-216-724-11 METAL CHIP 10K 0.50% 116W R9571 1-216-864-11 SHORT CHIP 0 R9488 1-216-736-11 METAL CHIP 10K 0.50% 116W R9572 1-216-833-11 RES-CHIP 10K 5% 110W R9489 1-216-716-11 METAL CHIP 10K 0.50% 116W R9573 1-216-833-11 RES-CHIP 10K 5% 110W R9499 1-216-736-11 RES-CHIP 10K 5% 110W R9490 1-216-853-11 RES-CHIP 0 5% 110W R9593 1-216-853-11 RES-CHIP 0 680K 5% 110W R95940 1-233-576-11 RES-CHIP 10K 5% 110W R9595 1-216-833-11 RES-CHIP 0 0 0 0 0 0 0 0 0	R9475	1-218-716-11	METAL CHIP	10K	0.50%	1/16W	R9555	1-216-833-11	RES-CHIP	10K	5%	1/10W
R9478 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9558 1-216-821-11 RES-CHIP 1K 5% 1/10W R9479 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9559 1-216-823-11 RES-CHIP 1K 5% 1/10W R9481 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9565 1-216-833-11 RES-CHIP 10K 5% 1/10W R9481 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9566 1-216-833-11 RES-CHIP 10K 5% 1/10W R9483 1-218-724-11 METAL CHIP 2.2K 0.50% 1/16W R9569 1-216-834-11 SHORT CHIP 0 1/10W R9569 1-216-834-11 SHORT CHIP 0 1/10W R9569 1-216-841 SHORT CHIP 0 1/10W R9571 1-216-864-11 SHORT CHIP 0 1/10W R9572 1-216-833-11 RES-CHIP 10K 5% 1/10W R9573 1-216-833-11 RES-CHIP 10K 5% 1/10W R9573 1-216-833-11 RES-CHIP 10K 5% 1/10W R9573 1-216-833-11 RES-CHIP 10K 0.50% 1/16W R9573 1-216-833-11 RES-CHIP 10K 5% 1/10W R9599 1-216-835-11 RES-CHIP 10K 0.50% 1/16W R9573 1-216-833-11 RES-CHIP 10K 0.50% 1/16W R9573 1-216-833-11 RES-CHIP 10K 5% 1/10W R9599 1-216-835-11 RES-CHIP 10K 0.50% 1/16W R9590 1-216-835-11 RES-CHIP 10K 0.50% 1/16W R9590 1-216-835-11 RES-CHIP 10K 0.50% 1/10W 1-204-99-21 VARISTOR CHIP VARISTOR CHIP VARISTOR CHIP VARISTOR CHIP VARISTOR CHIP VARISTOR CHIP V	R9476	1-218-716-11	METAL CHIP	10K	0.50%	1/16W	R9556	1-216-821-11	RES-CHIP	1K	5%	1/10W
R9480	R9477	1-218-716-11	METAL CHIP	10K	0.50%	1/16W	R9557	1-216-821-11	RES-CHIP	1K	5%	1/10W
R9480 1-218-700-11 METAL CHIP 2 2 K 0.50% 1/16W R9565 1-216-833-11 RES-CHIP 10K 5% 1/10W R9482 1-218-700-11 METAL CHIP 2 2 K 0.50% 1/16W R9566 1-216-833-11 RES-CHIP 10K 5% 1/10W R9483 1-218-724-11 METAL CHIP 2 2 K 0.50% 1/16W R9567 1-216-833-11 RES-CHIP 10K 5% 1/10W R9483 1-218-724-11 METAL CHIP 2 2 K 0.50% 1/16W R9568 1-216-834-11 SHORT CHIP 0 R9568 1-218-724-11 METAL CHIP 2 2 K 0.50% 1/16W R9569 1-216-864-11 SHORT CHIP 0 R9568 1-218-724-11 METAL CHIP 2 2 K 0.50% 1/16W R9570 1-216-864-11 SHORT CHIP 0 R9487 1-218-724-11 METAL CHIP 10K 0.50% 1/16W R9571 1-216-864-11 SHORT CHIP 0 R9487 1-218-724-11 METAL CHIP 10K 0.50% 1/16W R9572 1-216-833-11 RES-CHIP 10K 5% 1/10W R9573 1-216-833-11 RES-CHIP 10K 5% 1/10W R9573 1-216-833-11 RES-CHIP 10K 5% 1/10W R9573 1-216-797-11 RES-CHIP 10 5% 1/10W R9575 1-216-853-11 RES-CHIP 470K 5% 1/10W R9490 1-216-853-11 RES-CHIP 470K 5% 1/10W R9490 1-216-835-11 RES-CHIP 470K 5% 1/10W R9490 1-216-835-11 RES-CHIP 470K 5% 1/10W R9490 1-216-835-11 RES-CHIP 880K 5% 1/10W R9490 1-216-835-11 RES-CHIP 80K 5% 1/10W R9490 1-216-835-11 RES-CHIP 80K 5% 1/10W R9490 1-216-835-11 RES-CHIP 80K 5% 1/10W R9503 1-216-843-11 RES-CHIP 80K 5% 1/10W R9503 1-216-843-11 RES-CHIP 80K 5% 1/10W R9503 1-216-835-11 RES-CH	R9478	1-218-716-11	METAL CHIP	10K	0.50%	1/16W	R9558	1-216-821-11	RES-CHIP	1K	5%	1/10W
R9481 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9566 1-216-833-11 RES-CHIP 10K 5% 1/10W R9482 1-218-720-11 METAL CHIP 2.2K 0.50% 1/16W R9567 1-216-833-11 RES-CHIP 0 10K 5% 1/10W R9484 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9569 1-216-864-11 SHORT CHIP 0 R9486 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9570 1-216-864-11 SHORT CHIP 0 R9486 1-218-724-11 METAL CHIP 10K 0.50% 1/16W R9571 1-216-864-11 SHORT CHIP 0 R9487 1-218-724-11 METAL CHIP 10K 0.50% 1/16W R9572 1-216-833-11 RES-CHIP 10K 5% 1/10W R9488 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9573 1-216-833-11 RES-CHIP 10K 5% 1/10W R9489 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9573 1-216-833-11 RES-CHIP 10K 5% 1/10W R9489 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9573 1-216-797-11 RES-CHIP 10 5% 1/10W R9490 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9573 1-216-797-11 RES-CHIP 10 5% 1/10W R9491 1-216-855-11 RES-CHIP 470K 5% 1/10W R9491 1-216-855-11 RES-CHIP 470K 5% 1/10W R9491 1-233-576-11 RES-CHIP 10 5% 1/10W R9491 1-233-576-11 RES-CHIP 10K 5% 1/10W R9503 1-216-845-11 RES-CHIP 4.7K 5% 1/10W R9503 1-216-845-11 RES-CHIP 4.7K 5% 1/10W R9503 1-216-845-11 RES-CHIP 4.7K 5% 1/10W R9503 1-216-829-11 RES-CHIP 4.7K 5% 1/	R9479	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W	R9559	1-216-821-11	RES-CHIP	1K	5%	1/10W
R9481 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9566 1-216-833-11 RES-CHIP 10K 5% 1/10W R9482 1-218-720-11 METAL CHIP 2.2K 0.50% 1/16W R9567 1-216-833-11 RES-CHIP 0 10K 5% 1/10W R9484 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9569 1-216-864-11 SHORT CHIP 0 R9486 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9570 1-216-864-11 SHORT CHIP 0 R9486 1-218-724-11 METAL CHIP 10K 0.50% 1/16W R9571 1-216-864-11 SHORT CHIP 0 R9487 1-218-724-11 METAL CHIP 10K 0.50% 1/16W R9572 1-216-833-11 RES-CHIP 10K 5% 1/10W R9488 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9573 1-216-833-11 RES-CHIP 10K 5% 1/10W R9489 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9573 1-216-833-11 RES-CHIP 10K 5% 1/10W R9489 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9573 1-216-797-11 RES-CHIP 10 5% 1/10W R9490 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9573 1-216-797-11 RES-CHIP 10 5% 1/10W R9491 1-216-855-11 RES-CHIP 470K 5% 1/10W R9491 1-216-855-11 RES-CHIP 470K 5% 1/10W R9491 1-233-576-11 RES-CHIP 10 5% 1/10W R9491 1-233-576-11 RES-CHIP 10K 5% 1/10W R9503 1-216-845-11 RES-CHIP 4.7K 5% 1/10W R9503 1-216-845-11 RES-CHIP 4.7K 5% 1/10W R9503 1-216-845-11 RES-CHIP 4.7K 5% 1/10W R9503 1-216-829-11 RES-CHIP 4.7K 5% 1/												
R9482 1-218-700-11 METAL CHIP 2.2K 0.50% 1/16W R9567 1-216-833-11 RES-CHIP 10K 5% 1/10W R9483 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9569 1-216-864-11 SHORT CHIP 0	R9480	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W	R9565	1-216-833-11	RES-CHIP	10K	5%	1/10W
R9483 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9568 1-216-864-11 SHORT CHIP 0	R9481	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W	R9566	1-216-833-11	RES-CHIP	10K	5%	1/10W
R9484 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9569 1-216-864-11 SHORT CHIP 0	R9482	1-218-700-11	METAL CHIP	2.2K	0.50%	1/16W	R9567	1-216-833-11	RES-CHIP	10K	5%	1/10W
R9485 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9570 1-216-864-11 SHORT CHIP 0	R9483	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	R9568	1-216-864-11	SHORT CHIP	0		
R9486 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9571 1-216-864-11 SHORT CHIP 0	R9484	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	R9569	1-216-864-11	SHORT CHIP	0		
R9486 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9571 1-216-864-11 SHORT CHIP 0												
R9487 1-218-724-11 METAL CHIP 22K 0.50% 1/16W R9572 1-216-833-11 RES-CHIP 10K 5% 1/10W R9488 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9573 1-216-833-11 RES-CHIP 10K 5% 1/10W R9499 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9574 1-216-797-11 RES-CHIP 10 5% 1/10W R9490 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9491 1-216-797-11 RES-CHIP 10 5% 1/10W R9494 1-216-855-11 RES-CHIP 470K 5% 1/10W R89405 1-216-853-11 RES-CHIP 470K 5% 1/10W R89406 1-233-576-11 RES-CHIP 470K 5% 1/10W R89401 1-233-576-11 RES-CHIP 100 5% 1/10W R89402 1-233-576-11 RES-CHIP 100 1/10W 1	R9485	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	R9570	1-216-864-11	SHORT CHIP	0		
R9488 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9573 1-216-833-11 RES-CHIP 10K 5% 1/10W R9499 1-218-716-11 METAL CHIP 10K 0.50% 1/16W R9575 1-216-797-11 RES-CHIP 10 5% 1/10W R9490 1-216-855-11 RES-CHIP 680K 5% 1/10W R9494 1-216-855-11 RES-CHIP 470K 5% 1/10W R9496 1-216-853-11 RES-CHIP 470K 5% 1/10W R9497 1-216-855-11 RES-CHIP 680K 5% 1/10W R9497 1-216-855-11 RES-CHIP 680K 5% 1/10W R9502 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9503 1-216-845-11 RES-CHIP 4.7K 5% 1/10W R9504 1-218-829-11 RES-CHIP 4.7K 5% 1/10W R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9509 1-216-843-11 RES-CHIP 4.7K 5% 1/10W R9509 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9509 1-216-821-11 RES-CHIP 4.7K 5%	R9486	1-218-716-11	METAL CHIP	10K	0.50%	1/16W	R9571	1-216-864-11	SHORT CHIP	0		
R9489 1-218-716-11	R9487	1-218-724-11	METAL CHIP	22K	0.50%	1/16W	R9572	1-216-833-11	RES-CHIP	10K	5%	1/10W
R9490	R9488	1-218-716-11	METAL CHIP	10K	0.50%	1/16W	R9573	1-216-833-11	RES-CHIP	10K	5%	1/10W
R9490	R9489	1-218-716-11	METAL CHIP	10K	0.50%	1/16W	R9574	1-216-797-11	RES-CHIP	10	5%	1/10W
R9494 1-216-855-11 RES-CHIP 680K 5% 1/10W R9495 1-216-853-11 RES-CHIP 470K 5% 1/10W R9496 1-216-853-11 RES-CHIP 470K 5% 1/10W R9497 1-216-853-11 RES-CHIP 680K 5% 1/10W R9497 1-216-855-11 RES-CHIP 680K 5% 1/10W R94901 1-233-576-11 RES, CHIP NETWORK 100 R9502 1-216-829-11 RES-CHIP 100K 5% 1/10W R9503 1-216-845-11 RES-CHIP 100K 5% 1/10W R9505 1-216-843-11 RES-CHIP 68K 5% 1/10W R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9511 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9512 1-216-821-11 RES-CHIP 4.7K 5% 1/10W R9515 1-216-821-11 RES-CHIP 4.7K 5% 1/10W R9515 1-216-821-11 RES-CHIP 4.7K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9529 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W R95401 1-233-576-11 RESITOR BRIDGE RB9400 1-233-576-11 RESITOR BRIDGE RB9401 1-233-576-11 RESITOR BRIDGE RB9401 1-233-576-11 RESITOR CHIP RB9401 1-233-576-11 RESITOR BRIDGE RB9401 1-233-576-11 RESITOR BRIDGE RB9401 1-233-576-11 RESITOR CHIP RB9402 1-233-576-11 RESITOR BRIDGE RB9401 1-233-576-11 RESITOR CHIP RB9402 1-233-576-11 RESITOR BRIDGE RB9401 1-233-576-11 RESITOR CHIP RB9402 1-233-576-11 RESITOR CHIP RB9402 1-233-576-11 RESITOR BRIDGE RB9401 1-233-57							R9575	1-216-797-11	RES-CHIP	10	5%	1/10W
R9495 1-216-853-11 RES-CHIP 470K 5% 1/10W RB9400 1-233-576-11 RES, CHIP NETWORK 100 R9497 1-216-855-11 RES-CHIP 680K 5% 1/10W RB9401 1-233-576-11 RES, CHIP NETWORK 100 RB9402 1-233-576-11 RES, CHIP NETWORK 100 1-233-576-11 RES, CHIP NETWORK 100 1-233-576-11 RES, CHIP NETWORK 100 1-23	R9490	1-218-716-11	METAL CHIP	10K	0.50%	1/16W						
R9495 1-216-853-11 RES-CHIP 470K 5% 1/10W R9496 1-216-853-11 RES-CHIP 470K 5% 1/10W R9497 1-216-855-11 RES-CHIP 680K 5% 1/10W R9502 1-216-829-11 RES-CHIP 100K 5% 1/10W R9503 1-216-843-11 RES-CHIP 4.7K 5% 1/10W R9504 1-216-829-11 RES-CHIP 68K 5% 1/10W R9505 1-216-843-11 RES-CHIP 68K 5% 1/10W R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9511 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9511 1-216-829-11 RES-CHIP 100K 5% 1/10W R9512 1-216-821-11 RES-CHIP 100K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9521 1-216-821-11 RES-CHIP 1K 5% 1/10W R9522 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W	R9494	1-216-855-11	RES-CHIP	680K	5%	1/10W		RESISTOR BRID	OGE			
R9497 1-216-855-11 RES-CHIP 680K 5% 1/10W RB9402 1-233-576-11 RES, CHIP NETWORK 100 R9502 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9503 1-216-845-11 RES-CHIP 100K 5% 1/10W R9505 1-216-843-11 RES-CHIP 68K 5% 1/10W R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9510 1-216-845-11 RES-CHIP 100K 5% 1/10W R9511 1-216-845-11 RES-CHIP 100K 5% 1/10W R9512 1-216-829-11 RES-CHIP 100K 5% 1/10W R9515 1-216-829-11 RES-CHIP 100K 5% 1/10W R9516 1-216-829-11 RES-CHIP 100K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9529 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W	R9495	1-216-853-11	RES-CHIP	470K	5%	1/10W						
R9502 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9503 1-216-845-11 RES-CHIP 4.7K 5% 1/10W R9505 1-216-843-11 RES-CHIP 68K 5% 1/10W R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9510 1-216-843-11 RES-CHIP 100K 5% 1/10W R9511 1-216-829-11 RES-CHIP 100K 5% 1/10W R9512 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9515 1-216-821-11 RES-CHIP 10K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9521 1-216-821-11 RES-CHIP 1K 5% 1/10W R9522 1-216-821-11 RES-CHIP 1K 5% 1/10W R9523 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W RRB9402 1-233-576-11 RES, CHIP NETWORK 100 VARISTOR VD9404 1-804-499-21 VARISTOR, CHIP VD9405 1-804-499-21 VARISTOR, CHIP VD9407 1-804-499-21 VARISTOR, CHIP V	R9496	1-216-853-11	RES-CHIP	470K	5%	1/10W			·			
R9502 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9503 1-216-845-11 RES-CHIP 100K 5% 1/10W R9504 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9505 1-216-843-11 RES-CHIP 68K 5% 1/10W R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9510 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9511 1-216-829-11 RES-CHIP 100K 5% 1/10W R9512 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9515 1-216-821-11 RES-CHIP 1K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-216-821-11 METAL CHIP	R9497	1-216-855-11	RES-CHIP	680K	5%	1/10W			·			
R9503 1-216-845-11 RES-CHIP 100K 5% 1/10W R9504 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9505 1-216-843-11 RES-CHIP 68K 5% 1/10W VD9404 1-804-499-21 VARISTOR, CHIP VD9405 1-804-499-21 VARISTOR, CHIP VD9406 1-804-499-21 VARISTOR, CHIP VD9406 1-804-499-21 VARISTOR, CHIP VD9406 1-804-499-21 VARISTOR, CHIP VD9406 1-804-499-21 VARISTOR, CHIP VD9407 1-804-499-21 VD9407 1-804-499-21 VD9407 1-804-499-21 VD9407 1-804-499-21 VD9407 1-804-499-21							RB9402	1-233-576-11	RES, CHIP NETWORK	100		
R9504 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9505 1-216-843-11 RES-CHIP 68K 5% 1/10W R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9510 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9511 1-216-845-11 RES-CHIP 100K 5% 1/10W R9512 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9515 1-216-821-11 RES-CHIP 1K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W	R9502	1-216-829-11	RES-CHIP		5%	1/10W						
R9505 1-216-843-11 RES-CHIP 68K 5% 1/10W R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9510 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9511 1-216-845-11 RES-CHIP 100K 5% 1/10W R9512 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9515 1-216-821-11 RES-CHIP 1K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9517 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W	R9503	1-216-845-11	RES-CHIP	100K	5%	1/10W		VARISTOR				
R9509 1-216-843-11 RES-CHIP 68K 5% 1/10W R9510 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9511 1-216-845-11 RES-CHIP 100K 5% 1/10W R9512 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9515 1-216-821-11 RES-CHIP 1K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9517 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W	R9504	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	V/D0404	1 004 400 04	VADICTOD CUID			
R9510 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9511 1-216-845-11 RES-CHIP 100K 5% 1/10W R9512 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9515 1-216-821-11 RES-CHIP 1K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W	R9505	1-216-843-11	RES-CHIP	68K	5%	1/10W						
R9510 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9511 1-216-845-11 RES-CHIP 100K 5% 1/10W R9512 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9515 1-216-821-11 RES-CHIP 1K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W	R9509	1-216-843-11	RES-CHIP	68K	5%	1/10W						
R9510 1-216-829-11 RES-CHIP 100K 5% 1/10W R9511 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9512 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9515 1-216-821-11 RES-CHIP 1K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W												
R9512 1-216-829-11 RES-CHIP 4.7K 5% 1/10W R9515 1-216-821-11 RES-CHIP 1K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W	R9510	1-216-829-11			5%		VD9407	1-004-499-21	VARISTOR, CHIP			
R9515 1-216-821-11 RES-CHIP 1K 5% 1/10W R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W	R9511	1-216-845-11	RES-CHIP	100K	5%	1/10W						
R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W	R9512	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		CRYSTAL				
R9516 1-216-821-11 RES-CHIP 1K 5% 1/10W R9520 1-216-821-11 RES-CHIP 1K 5% 1/10W R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W	R9515	1-216-821-11	RES-CHIP	1K	5%	1/10W	X9401	1-767-922-11	VIBRATOR CERAMIC			
R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W	R9516	1-216-821-11	RES-CHIP	1K	5%	1/10W	7.0101	. 101 022 11	. ID. G II O. I, OLI G IIIIO			
R9527 1-216-821-11 RES-CHIP 1K 5% 1/10W R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W												
R9539 1-218-706-11 METAL CHIP 3.9K 0.50% 1/16W												
R9540 1-218-702-11 METAL CHIP 2.7K 0.50% 1/16W												
	R9540	1-218-702-11	METAL CHIP	2.7K	0.50%	1/16W						



REF. NO.	PART NO.	DESCRIPTION	VALUE	s		REF. NO.	PART NO.	DESCRIPTION	VALUI	ES	
						C8035	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
)						C8036	1-126-968-11	ELECT	100µF	20%	50V
						C8037	1-126-968-11	ELECT	100µF	20%	50V
<u>*</u>	A-1300-560-A	D BOARD, COMPLETE	•			C8040	1-115-349-51	CERAMIC	0.01µF		2KV
						C8041	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
	4-382-854-11	SCREW (M3X10), P, S	W (+)			00011	1 102 027 11	0210 111110 01111	10001	070	001
	7-682-952-09	SCREW#NAME? 3X16				C8042	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
						C8045	1-126-965-91	ELECT	22µF	20%	50V
The high-	voltage leads assoc	iated with the FBT on the D) board are r	not inclu	ded and	C8046	1-126-965-91	ELECT	22µF	20%	50V
must be o	rdered separately.	Order the following leads w	hen request	ing this	D board:	C8047	1-162-974-11	CERAMIC CHIP	0.01µF	_0,0	50V
						C8048	1-126-965-91	ELECT	22µF	20%	50V
<u>^</u>	1-779-095-51	HV LEAD ASSY				C8049	1-162-974-11	CERAMIC CHIP	0.01µF		50V
<u>^</u>	1-900-260-40	CONNECTOR ASSY., I	ΜV								
						C8050	1-126-965-91	ELECT	22µF	20%	50V
	CAPACITOR					C8051	1-102-038-00	CERAMIC	0.001µF		500V
						C8052	1-126-965-91	ELECT	22µF	20%	50V
C8001	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V	C8053	1-162-974-11	CERAMIC CHIP	0.01µF		50V
C8002	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C8054	1-162-974-11	CERAMIC CHIP	0.01µF		50V
C8003	1-162-927-11	CERAMIC CHIP	100pF	5%	50V						
C8004	1-104-666-11	ELECT	220µF	20%	25V	C8055	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8005	1-126-942-61	ELECT	1000µF	20%	25V	C8056	1-107-652-11	ELECT	10µF	20%	250V
						C8057	1-126-959-11	ELECT	0.47µF	20%	50V
C8006	1-126-942-61	ELECT	1000µF	20%	25V	C8058	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C8007	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C8059	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C8008	1-162-927-11	CERAMIC CHIP	100pF	5%	50V				vp.		
C8009	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C8060	1-104-665-11	ELECT	100µF	20%	25V
C8010	1-136-177-00	FILM	1μF	5%	50V	C8061	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
						C8062	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8011	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C8063	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C8012	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C8064	1-107-636-11	ELECT	10µF	20%	160V
C8013	1-162-927-11	CERAMIC CHIP	100pF	5%	50V				-1		
C8014	1-104-665-11	ELECT	100µF	20%	25V	C8065	1-106-383-00	MYLAR	0.047µF	10%	200V
C8015	1-126-969-11	ELECT	220µF	20%	50V	C8066	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
						C8067	1-104-665-11	ELECT	100µF	20%	25V
C8016	1-104-665-11	ELECT	100µF	20%	25V	C8068	1-162-318-11	CERAMIC	0.001µF	10%	500V
C8017	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	C8069	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8018	1-126-964-11	ELECT	10μF	20%	50V				'		
C8019	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C8070	1-126-964-11	ELECT	10μF	20%	50V
C8020	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C8071	1-126-964-11	ELECT	10μF	20%	50V
						C8072	1-126-964-11	ELECT	10μF	20%	50V
C8023	1-106-220-00	MYLAR	0.1µF	10%	100V	C8073	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8024	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V	C8074	1-104-665-11	ELECT	100µF	20%	25V
C8025	1-126-968-11	ELECT	100µF	20%	50V						
C8026	1-126-968-11	ELECT	100µF	20%	50V	C8075	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8028	1-126-968-11	ELECT	100µF	20%	50V	C8076	1-128-551-11	ELECT	22µF	20%	25V
						C8077	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8029	1-126-968-11	ELECT	100μF	20%	50V	C8078	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
C8031	1-107-636-11	ELECT	10μF	20%	160V	C8079	1-126-964-11	ELECT	10μF	20%	50V
C8032	1-126-968-11	ELECT	100μF	20%	50V				-1-1	/ v	
C8033	1-126-968-11	ELECT	100μF	20%	50V	C8080	1-126-964-11	ELECT	10µF	20%	50V
C8034	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C8081	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
						C8082	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
						1		- 3	Pro-		



REF. NO.	PART NO.	DESCRIPTION	VALUES	3			REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
C8083	1-130-495-00	MYLAR	0.1µF	5%	50V		C8132	1-126-927-11	ELECT	2200µF	20%	10V
C8084	1-130-992-11	FILM	0.022µF	5%	50V		C8133	1-107-649-11	ELECT	2.2µF	20%	250V
C8085	1-162-924-11	CERAMIC CHIP	56pF	5%	50V		C8135	1-117-813-11	FILM	0.75µF	5%	250V
C8086	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C8136	1-130-495-00	MYLAR	0.1µF	5%	50V
C8087	1-126-960-11	ELECT	1μF	20%	50V		C8137	1-126-927-11	ELECT	2200µF	20%	10V
			·									
C8088	1-126-964-11	ELECT	10µF	20%	50V		C8138	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C8089	1-162-134-11	CERAMIC	470pF	10%	2KV		C8139	1-126-964-11	ELECT	10μF	20%	50V
C8090	1-126-960-11	ELECT	1µF	20%	50V		C8140	1-102-030-00	CERAMIC	330pF	10%	500V
C8091	1-104-665-11	ELECT	100µF	20%	25V		C8141	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C8092	1-117-640-11	FILM	6800pF	3%	1.2KV		C8142	1-117-664-11	FILM	0.27µF	5%	250V
C8093	1-107-648-91	ELECT	100µF	20%	160V		C8143	1-109-889-11	ELECT	1μF	20%	50V
C8094	1-126-947-11	ELECT	47µF	20%	25V		C8145	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8095	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C8146	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8096	1-136-684-51	MYLAR	0.0022µF	10%	100V		C8153	1-126-960-11	ELECT	1µF	20%	50V
C8097	1-162-131-11	CERAMIC	220pF	10%	2KV		C8154	1-126-947-11	ELECT	47µF	20%	16V
C8098	1-162-131-11	CERAMIC	220pF	10%	2KV		C8155	1-126-947-11	ELECT	47µF	20%	16V
C8099	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V		C8156	1-107-636-11	ELECT	10μF	20%	160V
C8100	1-104-665-11	ELECT	100µF	20%	25V		C8158	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C8102	1-162-318-11	CERAMIC	0.001µF	10%	500V		C8159	1-106-383-00	MYLAR	0.047µF	10%	200V
C8103	1-126-964-11	ELECT	10µF	20%	50V		C8160	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C8104	1-162-965-11	CERAMIC CHIP	0.0015µF	10%	50V		C8162	1-162-318-11	CERAMIC	0.001µF	10%	500V
C8105	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C8163	1-126-960-11	ELECT	1μF	20%	50V
C8106	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C8165	1-126-965-91	ELECT	22μF	20%	50V
C8107	1-136-187-11	MYLAR	0.047µF	10%	250V							
C8108	1-126-964-11	ELECT	10μF	20%	50V			CONNECTOR				
C0100	1 160 004 11	CEDAMIC CLUB	EG. T	5%	50V	*	CN8003	1-691-135-11	PIN,CONNECTOR (PC	BOARD)	4P	
C8109 C8110	1-162-924-11	CERAMIC CHIP	56pF	20%	50V 50V	*	CN8006	1-564-506-11	PLUG,CONNECTOR	DOT (I (D)	3P	
	1-126-960-11	ELECT	1μF	20%	50V 50V	*	CN8007	1-564-506-11	PLUG,CONNECTOR		3P	
C8111	1-126-960-11	ELECT MYLAR	1μF	20% 5%	50V 50V	*	CN8008	1-564-506-11	PLUG,CONNECTOR		3P	
C8113	1-130-495-00		0.1µF	20%	160V	*	CN8009	1-564-506-11	PLUG,CONNECTOR		3P	
C8114	1-125-473-11	ELECT(BLOCK)	1000µF	20%	1007		0110000	1 001 000 11	1200,00111201011		OI .	
C8115	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	*	CN8010	1-564-507-11	PLUG,CONNECTOR		4P	
C8116	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	*	CN8011	1-564-507-11	PLUG,CONNECTOR		4P	
C8117	1-162-318-11	CERAMIC	0.001µF	10%	500V	*	CN8012	1-564-507-11	PLUG,CONNECTOR		4P	
C8118	1-136-189-00	MYLAR	0.1µF	10%	250V		CN8013	1-779-092-11	PIN,CONNECTOR (PC	BOARD)	10P	
C8120	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	*	CN8015	1-506-371-00	PIN,CONNECTOR		2P	
C8121	1-115-349-51	CERAMIC	0.01µF		2KV	*	CN8016	1-564-507-11	PLUG,CONNECTOR		4P	
C8121	1-110-349-51	ELECT	0.01μF 220μF	20%	16V	*	CN8018	1-580-689-11	PIN,CONNECTOR (PC	BOARD)	 4P	
C8122	1-120-934-11	CERAMIC	220μF 100pF	10%	2KV	*	CN8019	1-580-689-11	PIN,CONNECTOR (PC	,	 4P	
€ C8124	1-107-444-11	FILM	8200pF	3%	1.2KV	*	CN8020	1-580-689-11	PIN,CONNECTOR (PC	,	4P	
C8125	1-117-042-11	CERAMIC CHIP	0.1µF	10%	1.2KV	*	CN8022	1-564-510-11	PLUG,CONNECTOR		7P	
							ONICCC	4 504 507 11	DI LIO COMPEGNO		45	
C8126	1-106-357-00	MYLAR	0.0039µF		200V	*	CN8023	1-564-507-11	PLUG,CONNECTOR	TO DO 155	4P	
C8127	1-126-942-61	ELECT	1000µF	20%	25V	*	CN8025	1-779-890-11	CONNECTOR, BOARD			
C8129	1-137-150-11	MYLAR	0.01µF	5%	50V	1	CN8026	1-573-298-21	CONNECTOR, BOARD			
C8131	1-128-582-11	ELECT	10μF	20%	100V		CN8027	1-573-298-21	CONNECTOR, BOARD	IO ROAKD	201	



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
CN8028	1-564-507-11	PLUG,CONNECTOR	4P		FERRITE BEAD		
CN8029	1-564-510-11	PLUG,CONNECTOR	7P				
CN8030	1-564-510-11	PLUG,CONNECTOR	7P	FB8001	1-410-397-21	FERRITE	1.1µH
CN8031	1-779-890-11	CONNECTOR, BOARD		FB8002	1-410-397-21	FERRITE	1.1µH
				FB8005	1-469-869-21	FERRITE	0μΗ
	DIODE			FB8006	1-469-869-21	FERRITE	0μΗ
	DIODE			FB8014	1-469-869-21	FERRITE	0μH
D8001	8-719-109-89	DIODE MTZJ-T-77-5.6B					
D8002	8-719-110-53	DIODE MTZJ-T-77-20B		FB8015	1-469-869-21	FERRITE	0μΗ
D8003	8-719-924-13	DIODE MTZJ-T-77-22B		FB8016	1-469-869-21	FERRITE	0μH
D8004	8-719-908-03	DIODE GP08DPKG23		FB8017	1-469-869-21	FERRITE	0μΗ
D8005	8-719-988-61	DIODE 1SS355TE-17		FB8018	1-469-869-21	FERRITE	0μH
				FB8021	1-410-397-21	FERRITE	1.1µH
D8006	8-719-988-61	DIODE 1SS355TE-17					
D8008	8-719-988-61	DIODE 1SS355TE-17		FB8022	1-410-396-41	FERRITE	0.45µH
D8010	8-719-988-61	DIODE 1SS355TE-17		FB8023	1-410-396-41	FERRITE	0.45µH
D8011	8-719-988-61	DIODE 1SS355TE-17					
D8012	8-719-988-61	DIODE 1SS355TE-17			<u>IC</u>		
				IC8001	8-749-019-08	IC STK392-560	
D8013	8-719-109-85	DIODE MTZJ-T-77-5.1B		IC8002	8-749-019-08	IC STK392-560	
D8014	8-719-109-85	DIODE MTZJ-T-77-5.1B		IC8003	8-759-593-33	IC LA78045	
D8015	8-719-988-61	DIODE 1SS355TE-17		IC8004	8-759-701-79	IC NJM7812FA	
D8016	8-719-988-61	DIODE 1SS355TE-17		IC8005	8-759-585-82	IC BA9759F-E2	
D8019	8-719-988-61	DIODE 1SS355TE-17		100003	0-7 33-303-02	IC DA9139F-EZ	
D0000	0.740.000.04	DIODE 400055TE 47		IC8006	8-759-700-07	IC NJM2903M-TE2	
D8020	8-719-988-61	DIODE 1SS355TE-17		IC8007	8-759-700-07	IC NJM2903M-TE2	
D8022	8-719-988-61	DIODE 1SS355TE-17		IC8008	8-759-585-82	IC BA9759F-E2	
D8023	8-719-988-61	DIODE 1SS355TE-17		IC8009	8-759-803-42	IC LA6500P-FA	
D8024	8-719-110-41	DIODE MTZJ-T-77-15B		IC8010	8-759-471-81	IC PQ05RD11	
D8025	8-719-988-61	DIODE 1SS355TE-17		IC8012	8-759-701-01	IC NJM2904M(TE2)	
D8026	8-719-109-89	DIODE MTZJ-T-77-5.6B					
D8027	8-719-028-45	DIODE D2L20U-TA			COIL		
D8028	8-719-110-41	DIODE MTZJ-T-77-15B					
D8029	8-719-027-43	DIODE S2L20µF		L8001	1-412-533-21	INDUCTOR	47µH
D8030	8-719-027-43	DIODE S2L20µF		L8002	1-412-533-21	INDUCTOR	47µH
D0000	0-713-027-43	DΙΟΔΕ ΟΖΕΖΟ μ Ι		L8003	1-412-525-31	INDUCTOR	10µH
D8032	8-719-302-43	DIODE RGP10GPKG23		L8004	1-412-533-21	INDUCTOR	47µH
D8032		DIODE RGP02-17EL-64		L8005	1-412-533-21	INDUCTOR	47µH
	8-719-028-72		33				
D8036	8-719-110-41	DIODE MTZJ-T-77-15B		L8006	1-412-525-31	INDUCTOR	10µH
D8037	8-719-028-45	DIODE D2L20U-F		L8007	1-412-533-21	INDUCTOR	47µH
D8038	8-719-302-43	DIODE RGP10GPKG23		L8008	1-412-533-21	INDUCTOR	47µH
D0000	0.740.000.70	DIODE DODGO 475400	2	L8009	1-412-525-31	INDUCTOR	10μΗ
D8039	8-719-028-72	DIODE RGP02-17PKG2	J	L8010	1-414-187-11	INDUCTOR	47μH
D8042	8-719-988-61	DIODE 1SS355TE-17					
D8043	8-719-988-61	DIODE 1SS355TE-17		L8011	1-414-856-11	INDUCTOR	10µH
D8045	8-719-908-03	DIODE GP08DPKG23		L8012	1-414-187-11	INDUCTOR	47μΗ
D8047	8-719-988-61	DIODE 1SS355TE-17		L8013	1-414-856-11	INDUCTOR	10µH
				L8014	1-414-189-31	INDUCTOR	100µH
D8050	8-719-988-61	DIODE 1SS355TE-17		L8015	1-414-189-31	INDUCTOR	100µH
D8051	8-719-988-61	DIODE 1SS355TE-17		200.10			. 44k
D8052	8-719-988-61	DIODE 1SS355TE-17					



	REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
	L8016	1-412-537-31	INDUCTOR	100µH	Q8021	8-729-120-28	TRANSISTOR 2SC24	12K-T-146-0	QR	
	L8017	1-414-856-11	INDUCTOR	10μH	Q8022	8-729-120-28	TRANSISTOR 2SC24	12K-T-146-0	QR	
	L8018	1-406-667-11	INDUCTOR	220µH	Q8023	8-729-048-47	TRANSISTOR 2SC26	88(5)-LK		
	L8019	1-456-109-11	COIL,HORIZONTAL L	INEARITY(HLC)	Q8024	6-550-144-01	TRANSISTOR 2SC57	78-YB		
	L8020	1-412-525-31	INDUCTOR	10μH	Q8027	6-550-153-01	TRANSISTOR FQpF1	2P20XDTU		
	L8021	1-406-659-11	INDUCTOR	10µH	Q8028	8-729-120-28	TRANSISTOR 2SC24	12K-T-146-0	OR.	
	L8022	1-412-552-11	INDUCTOR	2.2MH	Q8029	8-729-120-28	TRANSISTOR 2SC24			
	L8025	1-414-856-11	INDUCTOR	10µH	Q8030	8-729-026-49	TRANSISTOR 2SA10			
	L8026	1-414-856-11	INDUCTOR	10μH	Q8031	8-729-120-28	TRANSISTOR 2SC24			
	L8028	1-414-187-11	INDUCTOR	47μH	Q8035	6-550-153-01	TRANSISTOR FQpF1		χιτ	
	1 0000	1 111 107 11	INDUCTOR	4 7 L	00030	0 700 040 47	TRANSISTOR 25026	00/E\ I I/		
	L8029	1-414-187-11	INDUCTOR	47µH	Q8039	8-729-048-47	TRANSISTOR 2SC26		OD	
	L8030	1-414-187-11	INDUCTOR	47µH	Q8041	8-729-026-49	TRANSISTOR 2SA10		·QK	
	L8031	1-414-187-11	INDUCTOR	47µH	Q8042	8-729-048-47	TRANSISTOR 2SC26	. ,		
	L8032	1-414-856-11	INDUCTOR	10µH	Q8043	6-550-144-01	TRANSISTOR 2SC57		20	
	L8033	1-414-856-11	INDUCTOR	10μH	Q8044	8-729-120-28	TRANSISTOR 2SC24			
		NEON LAMP			Q8101	8-729-026-49	TRANSISTOR 2SA10	3/AK-1146-	·QR	
						RESISTOR				
	NL8001	1-517-778-21	LAMP, NEON		R8001	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
		IC LINIV			R8002	1-216-809-11	RES-CHIP	100	5%	1/10W
		<u>IC LINK</u>			R8003	1-216-809-11	RES-CHIP	100	5%	1/10W
<u>(Ì</u>	PS8001	1-533-595-31	LINK, IC		R8004	1-216-809-11	RES-CHIP	100	5%	1/10W
<u></u>	PS8002	1-533-595-31	LINK, IC		R8005	1-215-875-11	METAL OXIDE	10K	5%	1W
<u></u>	PS8003	1-533-595-31	LINK, IC		1,0003	1-213-073-11	WIL TAL OATDL	IUIX	J /0	1 4 4
<u></u>	PS8004	1-533-595-31	LINK, IC		R8007	1-216-809-11	RES-CHIP	100	5%	1/10W
<u></u>	PS8005	1-533-595-31	LINK, IC		R8008	1-216-809-11	RES-CHIP	100	5%	1/10W
			,		R8009	1-216-809-11	RES-CHIP	100	5%	1/10W
<u>^</u> !\	PS8006	1-533-595-31	LINK, IC		R8010	1-260-131-11	CARBON	470K	5%	1/2W
<u></u>	PS8007	1-533-594-31	LINK, IC		R8011	1-216-829-11	RES-CHIP	4.7K	5%	1/20V 1/10W
	PS8008	1-532-685-00	LINK, IC	0.8A/150V	KOUTI	1-210-025-11	NEO-GITIF	4.//\	J /0	1/1000
					R8012	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
		TRANSISTOR			R8013	1-218-710-11	METAL CHIP	5.6K		1/16W
	Q8001	8-729-120-28	TRANSISTOR 2SC24	12K_T_1/6_OP	R8014	1-218-710-11	METAL CHIP	5.6K	0.50%	1/16W
	Q8002	8-729-046-80	TRANSISTOR 2SC46		R8015	1-216-837-11	RES-CHIP	22K	5%	1/10W
	Q8003	8-729-026-49	TRANSISTOR 2SA10		R8016	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	Q8004	8-729-026-49	TRANSISTOR 2SA10		R8017	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	Q8007	8-729-046-80	TRANSISTOR 2SC46	04L0-0D11	R8018	1-216-821-11	RES-CHIP	1K	5%	1/10W
	00000	0 700 007 00	TDANCISTOD 20A42	50 V	R8019	1-218-712-11	METAL CHIP	6.8K	0.50%	1/16W
	Q8008	8-729-207-89	TRANSISTOR 2SA13		R8020	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	Q8009	8-729-207-82			⚠ R8021	1-216-833-11	RES-CHIP	10K	5%	1/10W
	Q8010	8-729-120-28	TRANSISTOR 2SC24							
	Q8011	8-729-026-49	TRANSISTOR 2SA10		R8022	1-216-839-11	RES-CHIP	33K	5%	1/10W
	Q8014	8-729-120-28	TRANSISTOR 2SC24	12N-1-140-UK	R8023	1-216-833-11	RES-CHIP	10K	5%	1/10W
	000/-	0.700.400.00	TD411010T0T 00 00	101/ T 110 OD	R8024	1-216-833-11	RES-CHIP	10K	5%	1/10W
	Q8015	8-729-120-28	TRANSISTOR 2SC24		R8025	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	Q8016	8-729-120-28	TRANSISTOR 2SC24		R8026	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
	Q8019	8-729-026-49	TRANSISTOR 2SA10							
	Q8020	8-729-120-28	TRANSISTOR 2SC24	12K-1-146-QR						



REF. NO.	PART NO.	DESCRIPTION	VALU	ES			REF. NO.	PART NO.	DESCRIPTION	VALU	JES	
R8029	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		R8078	1-214-808-11	METAL	4.7	1%	1/2W
R8030	1-215-903-11	METAL OXIDE	68K	5%	2W		R8079	1-214-808-11	METAL	4.7	1%	1/2W
R8031	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		R8080	1-216-353-00	METAL OXIDE	2.2	5%	1W
R8032	1-216-821-11	RES-CHIP	1K	5%	1/10W		R8081	1-214-808-11	METAL	4.7	1%	1/2W
R8033	1-216-833-11	RES-CHIP	10K	5%	1/10W		R8082	1-214-808-11	METAL	4.7	1%	1/2W
R8034	1-216-833-11	RES-CHIP	10K	5%	1/10W		R8083	1-216-821-11	RES-CHIP	1K	5%	1/10W
R8035	1-218-692-11	METAL CHIP	1K	0.50%	1/16W		R8084	1-216-833-11	RES-CHIP	10K	5%	1/10W
R8036	1-214-800-11	METAL	2.2	1%	1/2W		R8085	1-214-808-11	METAL	4.7	1%	1/2W
R8037	1-215-903-11	METAL OXIDE	68K	5%	2W		R8086	1-214-808-11	METAL	4.7	1%	1/2W
R8038	1-216-809-11	RES-CHIP	100	5%	1/10W	<u> </u>	R8087	1-249-385-11	CARBON	2.2	5%	1/4W
R8039	1-214-800-11	METAL	2.2	1%	1/2W	\triangle	R8088	1-249-385-11	CARBON	2.2	5%	1/4W
R8040	1-215-913-11	METAL OXIDE	220	5%	3W		R8089	1-214-808-11	METAL	4.7	1%	1/2W
R8041	1-218-710-11	METAL CHIP	5.6K		1/16W		R8090	1-214-808-11	METAL	4.7	1%	1/2W
R8042	1-216-826-11	RES-CHIP	2.7K	5%	1/10W		R8091	1-214-808-11	METAL	4.7	1%	1/2W
R8043	1-218-740-11	METAL CHIP	100K		1/16W		R8092	1-214-808-11	METAL	4.7 4.7	1%	1/2W
110010	121071011	WE I'VE OF III	10010	0.0070	171011		110002	121100011	WE IT LE	1.1	170	1/211
R8044	1-218-712-11	METAL CHIP	6.8K	0.50%	1/16W		R8093	1-214-808-11	METAL	4.7	1%	1/2W
R8045	1-214-808-11	METAL	4.7	1%	1/2W		R8094	1-214-808-11	METAL	4.7	1%	1/2W
R8046	1-214-808-11	METAL	4.7	1%	1/2W		R8095	1-216-801-11	RES-CHIP	22	5%	1/10W
R8047	1-215-857-71	METAL OXIDE	10	5%	1W		R8096	1-216-801-11	RES-CHIP	22	5%	1/10W
R8048	1-216-833-11	RES-CHIP	10K	5%	1/10W		R8097	1-214-808-11	METAL	4.7	1%	1/2W
R8050	1-216-833-11	RES-CHIP	10K	5%	1/10W		R8098	1-214-808-11	METAL	4.7	1%	1/2W
R8051	1-214-808-11	METAL	4.7	1%	1/2W		R8100	1-216-475-11	METAL OXIDE	120	5%	3W
R8053	1-214-808-11	METAL	4.7	1%	1/2W		R8101	1-216-475-11	METAL OXIDE	120	5%	3W
R8055	1-218-748-11	METAL CHIP	220K		1/16W		R8102	1-218-734-11	METAL CHIP	56K		1/16W
R8056	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		R8103	1-216-816-11	RES-CHIP	390	5%	1/10W
R8057	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		R8104	1-216-828-11	RES-CHIP	3.9K	5%	1/10W
		RES-CHIP										
R8058	1-216-809-11		100	5%	1/10W		R8105	1-214-808-11	METAL	4.7	1%	1/2W
R8059	1-214-808-11	METAL	4.7	1%	1/2W		R8106	1-214-808-11	METAL	4.7	1%	1/2W
R8060	1-214-808-11	METAL	4.7	1%	1/2W		R8109	1-216-813-11	RES-CHIP	220	5%	1/10W
R8061	1-216-392-11	METAL OXIDE	1.8	5%	3W		R8110	1-249-424-11	CARBON	3.9K	5%	1/4W
R8062	1-260-107-11	CARBON	4.7K	5%	1/2W		R8111	1-216-819-11	RES-CHIP	680	5%	1/10W
R8063	1-214-808-11	METAL	4.7	1%	1/2W		R8112	1-216-824-11	RES-CHIP	1.8K	5%	1/10W
R8064	1-214-808-11	METAL	4.7	1%	1/2W		R8113	1-216-475-11	METAL OXIDE	120	5%	3W
R8065	1-260-328-11	CARBON	1K	5%	1/2W		R8114	1-216-475-11	METAL OXIDE	120	5%	3W
R8066	1-214-808-11	METAL	4.7	1%	1/2W		R8115	1-216-475-11	METAL OXIDE	120	5%	3W
R8067	1-214-808-11	METAL	4.7	1%	1/2W		R8116	1-216-475-11	METAL OXIDE	120	5%	3W
R8068	1-216-809-11	RES-CHIP	100	5%	1/10W		R8117	1-216-833-11	RES-CHIP	10K	5%	1/10W
R8069	1-214-808-11	METAL	4.7	1%	1/2W		R8118	1-216-833-11	RES-CHIP	10K	5%	1/10W
R8070	1-214-808-11	METAL	4.7	1%	1/2W		R8119	1-216-833-11	RES-CHIP	10K	5%	1/10W
R8071	1-215-381-00	METAL	22	1%	1/4W		R8120	1-216-833-11	RES-CHIP	10K	5%	1/10W
R8073	1-214-808-11	METAL	4.7	1%	1/2W		R8121	1-216-809-11	RES-CHIP	100	5%	1/10W
R8075	1-214-808-11	METAL	4.7	1%	1/2W		R8123	1-216-821-11	RES-CHIP	1K	5%	1/10W
R8076	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		R8124	1-249-377-11	CARBON	0.47	5%	1/4W
R8077	1-216-829-11	RES-CHIP	4.7K	5%	1/10W		R8125	1-216-816-11	RES-CHIP	390	5%	1/10W
110011	1 210 020-11	ALO OTIII	7.11.	U /U	1/1044	I	110120	1 210 010-11	ALO OF III	000	U /U	1/ 10 4 4



REF. NO.	PART NO.	DESCRIPTION	VALUI	ES			REF. NO.	PART NO.	DESCRIPTION	VALU	IES	
R8126	1-216-823-11	RES-CHIP	1.5K	5%	1/10W		R8173	1-216-845-11	RES-CHIP	100K	5%	1/10W
R8127	1-216-341-11	METAL OXIDE	0.22	5%	1W		R8174	1-249-425-11	CARBON	4.7K	5%	1/4W
R8128	1-216-845-11	RES-CHIP	100K	5%	1/10W		R8176	1-218-740-11	METAL CHIP	100K	0.50%	1/16W
R8129	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R8178	1-216-841-11	RES-CHIP	47K	5%	1/10W
R8130	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R8180	1-216-845-11	RES-CHIP	100K	5%	1/10W
R8131	1-216-833-11	RES-CHIP	10K	5%	1/10W		R8181	1-216-845-11	RES-CHIP	100K	5%	1/10W
R8132	1-216-833-11	RES-CHIP	10K	5%	1/10W		R8182	1-218-740-11	METAL CHIP	100K		1/16W
R8133	1-215-923-00	METAL OXIDE	10K	5%	3W		R8183	1-218-740-11	METAL CHIP	100K		1/16W
R8134	1-215-873-00	METAL OXIDE	4.7K	5%	1W		R8189	1-249-377-11	CARBON	0.47	5%	1/4W
R8135	1-215-923-00	METAL OXIDE	10K	5%	3W		R8190	1-215-429-00	METAL	2.2K	1%	1/4W
R8136	1-216-833-11	RES-CHIP	10K	5%	1/10W		R8191	1-215-415-00	METAL	560	1%	1/4W
R8137	1-218-740-11	METAL CHIP	100K		1/16W		R8192	1-215-445-00	METAL	10K	1%	1/4W
R8138	1-216-833-11	RES-CHIP	10K	5%	1/10W		R8193	1-215-445-00	METAL	10K	1%	1/4W
R8139	1-216-827-11	RES-CHIP	3.3K	5%	1/10W		R8194	1-215-445-00	METAL	10K	1%	1/4W
R8140	1-216-833-11	RES-CHIP	10K	5%	1/10W		R8195	1-215-445-00	METAL	10K	1%	1/4W
R8141	1-216-827-11	RES-CHIP	3.3K	5%	1/10W		R8196	1-249-425-11	CARBON	4.7K	5%	1/4W
R8142	1-216-833-11	RES-CHIP	10K	5%	1/10W		R8198	1-215-445-00	METAL	10K	1%	1/4W
R8143	1-218-734-11	METAL CHIP	56K	0.50%	1/16W		R8201	1-249-397-11	CARBON	22	5%	1/4W
R8144	1-216-809-11	RES-CHIP	100	5%	1/10W		R8202	1-260-092-11	CARBON	270	5%	1/2W
R8145	1-218-716-11	METAL CHIP	10K	0.50%	1/16W	<u> </u>	R8205	1-249-377-11	CARBON	0.47	5%	1/4W
R8146	1-218-716-11	METAL CHIP	10K	0.50%	1/16W		R8206	1-249-377-11	CARBON	0.47	5%	1/4W
R8147	1-218-710-11	METAL CHIP	5.6K		1/16W		R8208	1-260-288-11	CARBON	0.47	5%	1/2W
R8148	1-218-740-11	METAL CHIP	100K		1/16W		R8209	1-216-833-11	RES-CHIP	10K	5%	1/20V 1/10W
R8149	1-249-401-11	CARBON	47	5%	1/4W		R8210	1-216-809-11	RES-CHIP	100	5%	1/10W
R8150	1-218-740-11	METAL CHIP	100K		1/40V 1/16W		R8211	1-215-906-11	METAL OXIDE	15	5%	3W
R8151	1-218-692-11	METAL CHIP	1K		1/16W		R8212	1-215-907-11	METAL OXIDE	22	5%	3W
R8152	1-218-716-11	METAL CHIP	10K		1/16W		R8213	1-216-821-11	RES-CHIP	1K	5%	1/10W
R8153	1-218-692-11	METAL CHIP	1K		1/16W		R8216	1-216-833-11	RES-CHIP	10K	5%	1/10W
R8154	1-218-728-11	METAL CHIP	33K		1/16W		R8217	1-216-821-11	RES-CHIP	1K	5%	1/10W
R8155	1-215-469-00	METAL	100K	1%	1/4W		R8218	1-260-123-11	CARBON	100K	5%	1/2W
R8156	1-215-469-00	METAL	100K	1%	1/4W	<u> </u>	R8219	1-249-377-11	CARBON	0.47	5%	1/4W
R8157	1-218-738-11	METAL CHIP	82K	0.50%	1/16W		R8220	1-216-821-11	RES-CHIP	1K	5%	1/10W
R8159	1-216-833-11	RES-CHIP	10K	5%	1/10W		R8222	1-216-341-11	METAL OXIDE	0.22	5%	1W
R8161	1-216-845-11	RES-CHIP	100K	5%	1/10W		R8223	1-218-752-11	METAL CHIP	330K	0.50%	1/16W
R8162	1-249-377-11	CARBON	0.47	5%	1/4W		R8224	1-260-127-11	CARBON	220K	5%	1/2W
R8163	1-216-845-11	RES-CHIP	100K	5%	1/10W	<u>^</u>	R8225	1-260-292-11	CARBON	1	5%	1/2W
R8164	1-218-734-11	METAL CHIP	56K		1/16W	\triangle	R8228	1-260-314-11	CARBON	68	5%	1/2W
R8165	1-249-425-11	CARBON	4.7K	5%	1/4W		R8230	1-218-751-11	METAL CHIP	300K		1/16W
R8166	1-218-716-11	METAL CHIP	10K		1/16W	1	R8232	1-216-809-11	RES-CHIP	100	5%	1/10W
R8168	1-216-809-11	RES-CHIP	100	5%	1/10W		R8233	1-216-809-11	RES-CHIP	100	5%	1/10W
D0460	1 016 045 44	DEC CUID	1001/	E0/	1/10\\\		D0224	1 216 000 11	DEC CUID	100	E0/	1/10\\
R8169	1-216-845-11	RES-CHIP	100K	5%	1/10W	1	R8234	1-216-809-11	RES-CHIP	100	5%	1/10W
R8170	1-218-712-11	METAL CHIP	6.8K		1/16W	1	R8235	1-216-809-11	RES-CHIP	100	5%	1/10W
R8171	1-216-809-11	RES-CHIP	100	5%	1/10W		R8236	1-216-855-11	RES-CHIP	680K	5%	1/10W
<u> </u>	1-249-405-11	CARBON	100	5%	1/4W	I	R8237	1-216-855-11	RES-CHIP	680K	5%	1/10W

A component identified by this symbol indicates that it has been carefully factory-selected to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.



	REF. NO.	PART NO.	DESCRIPTION	VALUE	S		,	REF. NO.	PART NO.	DESCRIPTION	VALUE	ES	
	R8242	1-216-864-11	SHORT CHIP	0				C2006	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	R8243	1-216-809-11	RES-CHIP	100	5%	1/10W		C2007	1-126-964-11	ELECT	10µF	20%	50V
	R8249	1-215-923-00	METAL OXIDE	10K	5%	3W		C2010	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	R8250	1-215-923-00	METAL OXIDE	10K	5%	3W		C2011	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	R8251	1-216-821-11	RES-CHIP	1K	5%	1/10W		C2012	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
					-,-	.,						,	
	R8253	1-216-816-11	RES-CHIP	390	5%	1/10W		C2014	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	R8254	1-216-823-11	RES-CHIP	1.5K	5%	1/10W		C2015	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	R8255	1-215-873-00	METAL OXIDE	4.7K	5%	1W		C2017	1-126-964-11	ELECT	10µF	20%	50V
	R8256	1-249-401-11	CARBON	47	5%	1/4W		C2019	1-126-964-11	ELECT	10µF	20%	50V
	R8258	1-216-833-11	RES-CHIP	10K	5%	1/10W		C2020	1-126-964-11	ELECT	10μF	20%	50V
	R8259	1-216-809-11	RES-CHIP	100	5%	1/10W		C2022	1-126-964-11	ELECT	10μF	20%	50V
	R8260	1-216-845-11	RES-CHIP	100K	5%	1/10W		C2024	1-126-933-11	ELECT	100μF	20%	16V
	R8261	1-216-845-11	RES-CHIP	100K	5%	1/10W		C2024	1-120-955-11	CERAMIC CHIP	0.1μF	20 /0	25V
	R8262	1-216-845-11	RES-CHIP	100K	5% 5%	1/10W		C2025	1-126-964-11	ELECT	υ. τμε 10μF	20%	50V
									1-126-904-11			20%	
	R8263	1-216-845-11	RES-CHIP	100K	5%	1/10W		C2028	1-120-933-11	ELECT	100µF	20%	16V
		TRANSFORMER						C2029	1-126-964-11	ELECT	10µF	20%	50V
								C2031	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	T8001	1-437-708-11	TRANSFORMER, FERF	. ,				C2032	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	T8002	1-437-739-11	TRANSFORMER, FERF	. ,				C2033	1-126-933-11	ELECT	100µF	20%	16V
	T8003	1-437-401-11	TRANSFORMER, FERF	RITE (HOT)				C2034	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
	T8004	1-437-399-21	TRANSFORMER, FERF	RITE (LOT)									
<u> </u>	T8005	1-453-285-51	FBT ASSY NX-4006//X4	P4				C2035	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
	T8006	1-437-739-11	TRANSFORMER, FERF	RITE (HDT)				C2036	1-164-156-11	CERAMIC CHIP	0.1µF		25V
								C2037	1-164-156-11	CERAMIC CHIP	0.1µF		25V
		THERMISTOR						C2038	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
	TH8001	1 000 102 00	TUEDMICTOR					C2039	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	1 110001	1-800-193-00	THERMISTOR										
		VADIADI E DECIC	TOD					C2040	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
		VARIABLE RESIS	IUK					C2041	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	⚠VR8001	1-225-627-91	RES, VAR, ADJ, CERMI	ET	2K			C2042	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
X	⚠ VR8002	1-225-630-91	RES, VAR, ADJ, CERMI		20K			C2043	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
K	1		. , .					C2044	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
$\ \mathbf{I} \mathbf{V} \ $	/II							C2045	1-126-933-11	ELECT	100µF	20%	16V
								C2046	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
			epairable. If service is			a wal		C2047	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
		ovided for refere	to order a complete	геріасені	ent boo	aru.		C2048	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
	Data 13 pr	Ovided for refere	snice only.					C2049	1-162-916-11	CERAMIC CHIP	12pF	5%	50V
											–		
	*	A-1300-646-A	M BOARD, COMPLE	TE				C2050	1-164-156-11	CERAMIC CHIP	0.1µF	107	25V
								C2051	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
		CAPACITOR						C2052	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
	00004	4 400 047 44	OEDAMIO OLUB	45-5	E0/	E0\/		C2053	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
	C2001	1-162-917-11	CERAMIC CHIP	15pF	5%	50V		C2054	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	C2002	1-126-933-11	ELECT	100μF	20%	16V							
	C2003	1-164-156-11	CERAMIC CHIP	0.1µF	4001	25V		C2055	1-126-933-11	ELECT	100µF	20%	16V
	C2004	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V		C2056	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
	C2005	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V		C2057	1-164-156-11	CERAMIC CHIP	0.1µF		25V
							I	C2058	1-126-963-11	ELECT	4.7µF	20%	50V



REF. NO.	PART NO.	DESCRIPTION	VALUE	:S			REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
C2059	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C2108	1-126-933-11	ELECT	100μF	20%	16V
C2060	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C2109	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2061	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C2111	1-126-964-11	ELECT	10µF	20%	50V
C2062	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C2112	1-126-964-11	ELECT	10µF	20%	50V
C2063	1-126-963-11	ELECT	4.7µF	20%	50V		C2113	1-126-964-11	ELECT	10µF	20%	50V
C2064	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C2114	1-126-964-11	ELECT	10μF	20%	50V
C2065	1-126-933-11	ELECT	100µF	20%	16V		C2115	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2066	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C2116	1-126-933-11	ELECT	100µF	20%	16V
C2067	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V		C2117	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2068	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C2120	1-126-964-11	ELECT	10µF	20%	50V
02000		0 00 0	vp.				02.20				_0,0	
C2069	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C2121	1-126-964-11	ELECT	10µF	20%	50V
C2070	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C2122	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2071	1-126-963-11	ELECT	4.7µF	20%	50V		C2123	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2072	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C2124	1-164-156-11	CERAMIC CHIP	0.1µF	1070	25V
C2073	1-164-156-11	CERAMIC CHIP	0.1μF	10 /0	25V		C2126	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
02010	1-10-110	OLIVAINIO OLIII	υ. τμι		201		02120	1-107-020-11	OLIVAIVIIO OLIII	υ. ιμι	10 /0	10 V
C2074	1-126-933-11	ELECT	100µF	20%	16V		C2130	1-126-933-11	ELECT	100µF	20%	16V
C2075	1-120-333-11	CERAMIC CHIP	0.1μF	10%	16V		C2131	1-164-156-11	CERAMIC CHIP	0.1μF	2070	25V
C2076	1-107-020-11	CERAMIC CHIP	0.1µ1 0.47µF	10%	10V		C2131	1-164-156-11	CERAMIC CHIP	0.1μΓ 0.1μF		25V
C2070	1-162-970-11	CERAMIC CHIP	0.47μF 0.01μF	10%	25V		C2132	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V
C2077	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V 25V		C2134 C2135		CERAMIC CHIP	υ. τμε 1μF	10%	6.3V
G2076	1-102-970-11	CERAIVIIC CHIP	0.01μΓ	1070	237		02133	1-125-837-91	CERAIVIIC CHIP	ıμr	10 70	0.37
C2079	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C2200	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2079	1-126-963-11	ELECT	0. τμΓ 4.7μF	20%	50V		C2200	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V
C2080	1-120-905-11	CERAMIC CHIP	4.7μF 0.1μF	10%	16V		C2201	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V
C2081	1-107-620-11	CERAMIC CHIP	0.1μF 0.47μF	10%	10V		C2202	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V
C2082			0.47μF	10%	10V 10V		C2204 C2205			0.1μF 0.1μF		25V 25V
G2003	1-125-891-11	CERAMIC CHIP	υ.4 <i>1</i> μΓ	10%	100		G2205	1-164-156-11	CERAMIC CHIP	υ. ιμτ		201
C2084	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C2206	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C200 4	1-125-891-11	CERAMIC CHIP	0.1μ1 0.47μF	10%	10V		C2207	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2086	1-162-970-11	CERAMIC CHIP	0.47μ1 0.01μF	10%	25V		C2207	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C2087	1-102-970-11	CERAMIC CHIP	0.47µF	10%	10V		C2200	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V
C2087	1-123-091-11	SHORT CHIP	0.47μΓ	10 /0	10 V		C2209	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V
G2000	1-210-004-11	SHUKT CHIP	U				G2Z10	1-104-150-11	CERAIVIIC CHIP	υ. ιμτ		237
C2089	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C2211	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2009	1-216-864-11	SHORT CHIP	0. τμι		231		C2211	1-126-933-11	ELECT	0.1μΓ 100μF	20%	16V
C2090	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V		C2212	1-126-933-11	ELECT	47μF	20%	25V
C2090 C2097		CERAMIC CHIP		10%	10V 10V		C2213					
	1-125-891-11	CERAMIC CHIP	0.47µF					1-126-933-11	ELECT CERAMIC CHIR	100µF	20%	16V
C2098	1-125-837-91	CERAINIC CHIP	1µF	10%	6.3V		C2215	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2000	1 105 007 01	CERAMIC CHIP	1⊏	100/	6.21/		00016	1 164 156 11	CEDAMIC CUID	0.4		251/
C2099	1-125-837-91		1µF	10%	6.3V		C2216	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2100	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V		C2217	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2101	1-126-933-11	ELECT CERAMIC CHIR	100µF	20%	16V		C2218	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2102	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V		C2219	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2103	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V		C2220	1-164-156-11	CERAMIC CHIP	0.1µF		25V
00404	1 164 450 44	CEDAMIC CUID	0.4		OEV/		00004	1 160 047 44	CEDAMIC CUID	45	E0/	E0\/
C2104	1-164-156-11	CERAMIC CHIP	0.1µF	400/	25V		C2221	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2105	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V		C2222	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2106	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C2223	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V
C2107	1-164-156-11	CERAMIC CHIP	0.1µF		25V	I	C2224	1-115-156-11	CERAMIC CHIP	1μF		10V



REF. NO.	PART NO.	DESCRIPTION	VALUES	6		REF. NO.	PART NO.	DESCRIPTION	VALUE	s	
C2225	1-162-917-11	CERAMIC CHIP	15pF	5%	50V	C2322	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2226	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2323	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2227	1-126-933-11	ELECT	100µF	20%	16V	C2324	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2228	1-162-913-11	CERAMIC CHIP	8pF	0.50pF		C2325	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2229	1-162-913-11	CERAMIC CHIP	8pF	0.50pF		C2326	1-164-156-11	CERAMIC CHIP	0.1µF		25V
01110	1 102 010 11	021 0 00000	op.	0.0001	001	02020	1 101 100 11	o Er o um o or m	υμ.		201
C2230	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V	C2327	1-126-933-11	ELECT	100µF	20%	16V
C2231	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	C2328	1-126-933-11	ELECT	100µF	20%	16V
C2232	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2329	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2233	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2330	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2234	1-126-933-11	ELECT	100µF	20%	16V	C2331	1-164-156-11	CERAMIC CHIP	0.1µF		25V
02201	1 120 000 11	LLLOT	ισομι	2070	101	02001	1 101 100 11	OLI U MINIO OT III	ο. τμι		201
C2235	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2332	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2236	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2333	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C2237	1-162-917-11	CERAMIC CHIP	15pF	5%	50V	C2334	1-164-156-11	CERAMIC CHIP	0.1µF	, ,	25V
C2238	1-126-933-11	ELECT	100µF	20%	16V	C2335	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2239	1-164-156-11	CERAMIC CHIP	0.1μF	2070	25V	C2336	1-164-156-11	CERAMIC CHIP	0.1μF		25V
02200	1 104 100 11	OLI V IVIIO OI III	ο. τμι		201	02000	1 104 100 11	OLIV WIIO OI III	υ. τμι		201
C2240	1-126-933-11	ELECT	100µF	20%	16V	C2337	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2241	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C2338	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C2242	1-126-934-11	ELECT	220µF	20%	16V	C2339	1-164-156-11	CERAMIC CHIP	0.1µF	10 /0	25V
C2243	1-126-934-11	ELECT	220µF	20%	16V	C2340	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2244	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C2341	1-164-156-11	CERAMIC CHIP	0.1μF	10 /0	25V
02244	1-107-020-11	OLIVAINIO OLIII	υ. τμι	10 /0	10 V	02041	1-10-11	OLIVAIVIIO OLIII	υ. τμι		201
C2245	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2342	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2246	1-126-947-11	ELECT	47µF	20%	25V	C2343	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2247	1-162-975-11	CERAMIC CHIP	24pF	5%	50V	C2344	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C2248	1-162-975-11	CERAMIC CHIP	24pF	5%	50V	C2345	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2249	1-164-360-11	CERAMIC CHIP	0.1µF		16V	C2346	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
			'						'		
C2250	1-164-360-11	CERAMIC CHIP	0.1µF		16V	C2347	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2251	1-164-392-11	CERAMIC CHIP	390pF	5%	50V	C2348	1-126-933-11	ELECT	100µF	20%	16V
C2300	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V	C2349	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C2301	1-126-933-11	ELECT	100µF	20%	16V	C2352	1-126-933-11	ELECT	100µF	20%	16V
C2302	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2353	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2305	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2354	1-162-907-11	CERAMIC CHIP	2pF	0.25pF	50V
C2306	1-162-920-11	CERAMIC CHIP	27pF	5%	50V	C2355	1-164-245-11	CERAMIC CHIP	0.015µF	10%	25V
C2307	1-162-919-11	CERAMIC CHIP	22pF	5%	50V	C2358	1-126-935-11	ELECT	470µF	20%	6.3V
C2308	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2359	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2309	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2361	1-126-933-11	ELECT	100µF	20%	16V
C2310	1-162-919-11	CERAMIC CHIP	22pF	5%	50V	C2362	1-126-933-11	ELECT	100µF	20%	16V
C2311	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2370	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C2312	1-162-910-11	CERAMIC CHIP	5pF	0.25pF		C2500	1-162-966-11	CERAMIC CHIP	0.0022µF		50V
C2313	1-115-156-11	CERAMIC CHIP	1µF		10V	C2501	1-162-966-11	CERAMIC CHIP	0.0022µF		50V
C2315	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2503	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2317	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C2504	1-126-933-11	ELECT	100µF	20%	16V
C2317	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V	C2504 C2506	1-120-933-11	CERAMIC CHIP	100μF 0.1μF	ZU /0	25V
C2316 C2319	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V	C2506 C2508	1-104-130-11	ELECT	υ. τμε 100μF	20%	25V 16V
C2319	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V	C2506 C2510	1-120-933-11	CERAMIC CHIP	100µF 220pF	10%	50V
02321	1-104-130-11	CENAIVIIC CHIP	υ. ιμΓ		2JV	02310	1-102-300-11	GENAIVIIG GHIF	ΖΖυμΓ	10 /0	JU V



REF. NO.	PART NO.	DESCRIPTION	VALUES	1		REF. NO.	PART NO.	DESCRIPTION	VALUE	s	
C2512	1-135-834-91	CERAMIC CHIP	2.2E+06pF	:	6.3V	C2566	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2513	1-162-966-11	CERAMIC CHIP	0.0022µF		50V	C2569	1-126-961-11	ELECT	2.2µF	20%	50V
C2514	1-164-156-11	CERAMIC CHIP	0.1µF	. 0 70	25V	C2570	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2515	1-107-826-11	CERAMIC CHIP		10%	16V	C2571	1-164-156-11	CERAMIC CHIP	0.1µF	, ,	25V
C2516	1-126-933-11	ELECT		20%	16V	C2572	1-126-960-11	ELECT	1μF	20%	50V
02010	1 120 000 11	LLLOT	ισομι	2070	101	OLUIL	1 120 000 11	LLLOT	·μ·	2070	001
C2517	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V	C2574	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C2518	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V	C2575	1-126-960-11	ELECT	1µF	20%	50V
C2519	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C2579	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2520	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2582	1-126-933-11	ELECT	100µF	20%	16V
C2521	1-162-960-11	CERAMIC CHIP	220pF	10%	50V	C2584	1-126-933-11	ELECT	100µF	20%	16V
C2522	1-126-947-11	ELECT		20%	25V		CONNECTOR				
C2523	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V						
C2524	1-135-834-91	CERAMIC CHIP	2.2E+06pF		6.3V	CN2006	1-793-174-11	SOCKET,PCCONNECTO	OR (PC BO)	,	
C2525	1-135-834-91	CERAMIC CHIP	2.2E+06pF		6.3V	CN2304	1-764-334-11	PLUG, CONNECTOR		11P	
C2527	1-135-834-91	CERAMIC CHIP	2.2E+06pF	;	6.3V	CN2305	1-770-721-11	CONNECTOR, BOARD	TO BOARD	4P	
C2528	1-162-962-11	CERAMIC CHIP		10%	50V		DIODE				
C2530	1-126-947-11	ELECT		20%	25V	D2300	8-719-914-43	DIODE DAN202K-T-146			
C2532	1-135-834-91	CERAMIC CHIP	2.2E+06pF		6.3V	D2301	8-719-914-43	DIODE DAN202K-T-146			
C2533	1-162-960-11	CERAMIC CHIP		10%	50V	D2302	8-719-914-44	DIODE DAP202K-T-146			
C2534	1-126-947-11	ELECT	47µF	20%	25V	D2302	8-719-914-44	DIODE DAP202K-T-146			
						D2303	8-719-083-57	DIODE UDZSTE-173.6B			
C2535	1-162-962-11	CERAMIC CHIP		10%	50V	D2010	0 1 10 000 01	BIODE ODZOTE TIO.OD			
C2536	1-135-834-91	CERAMIC CHIP	2.2E+06pF		6.3V	D2500	8-719-404-50	DIODE MA111-TX			
C2538	1-126-947-11	ELECT		20%	25V	D2501	8-719-404-50	DIODE MA111-TX			
C2539	1-107-826-11	CERAMIC CHIP		10%	16V	D2502	8-719-404-50	DIODE MA111-TX			
C2540	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V	52002	0 7 10 10 10 0	DIODE IMITTION			
C2541	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V		FERRITE BEAD				
C2542	1-107-826-11	CERAMIC CHIP		10%	16V	ED 0004	4 444 000 44		0.11		
C2543	1-107-826-11	CERAMIC CHIP		10%	16V	FB2001	1-414-229-11	FERRITE	0μΗ		
C2544	1-126-963-11	ELECT	-	20%	50V	FB2002	1-414-229-11	FERRITE	0μΗ		
C2545	1-162-966-11	CERAMIC CHIP	0.0022µF		50V	FB2200	1-414-229-11	FERRITE	0μΗ		
020.0		0_1.00 0	0.00 <u></u> μ.	. 0 70		FB2500	1-216-864-11	SHORT CHIP	0		
C2546	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V	FB2501	1-216-864-11	SHORT CHIP	0		
C2548	1-126-947-11	ELECT	47µF	20%	25V	ED0E00	1 016 064 11	CHODT CHID	0		
C2549	1-107-826-11	CERAMIC CHIP		10%	16V	FB2503	1-216-864-11	SHORT CHIP	0		
C2550	1-126-963-11	ELECT	-	20%	50V	FB2504	1-216-864-11	SHORT CHIP	0		
C2551	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	FB2505	1-414-229-11	FERRITE	0μH		
			·			FB2507 FB2508	1-414-229-11	FERRITE FERRITE	0μH		
C2553	1-126-947-11	ELECT	47µF	20%	25V	FD2300	1-414-229-11	FERRIIE	0μΗ		
C2554	1-126-947-11	ELECT	47µF	20%	25V	EDSEGO	1 216 064 11	CHUDT CHID	0		
C2558	1-126-963-11	ELECT	-	20%	50V	FB2509 FB2510	1-216-864-11 1-414-229-11	SHORT CHIP	0		
C2559	1-126-933-11	ELECT		20%	16V	FB2510 FB2511		FERRITE SHOPT CHIP	0μH 0		
C2560	1-126-947-11	ELECT	-	20%	25V	FB2511	1-216-864-11 1-414-229-11	SHORT CHIP FERRITE	0 0μH		
						FB2512 FB2513	1-414-229-11	SHORT CHIP	υμπ 0		
C2561	1-126-963-11	ELECT	4.7µF	20%	50V	ו טבטוט	1-2 10-00 4- 11	OTOTAL OTHE	J		
C2563	1-126-961-11	ELECT	2.2µF	20%	50V	FB2514	1-216-864-11	SHORT CHIP	0		
C2564	1-126-961-11	ELECT	2.2µF	20%	50V	FB2515	1-414-229-11	FERRITE	0μΗ		
C2565	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	1 52010			υμ ιι		



REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUE	ES	
FB2516	1-414-229-11	FERRITE	OμH		COIL				
FB2517	1-414-229-11	FERRITE	0μΗ						
FB2518	1-414-229-11	FERRITE	OμH	L2001	1-469-555-21	INDUCTOR	10µH		
FB2519	1-414-229-11	FERRITE	0μΗ	L2003	1-469-555-21	INDUCTOR	10µH		
FB2520	1-216-864-11	SHORT CHIP	0	L2004	1-469-555-21	INDUCTOR	10µH		
1 52020	1210 001 11	OHORRI OHIII	·	L2005	1-469-555-21	INDUCTOR	10µH		
FB2521	1-216-864-11	SHORT CHIP	0	L2006	1-469-555-21	INDUCTOR	10µH		
FB2522	1-414-229-11	FERRITE	0μH						
1 52022	1 111 220 11	TERRITE	υμιτ	L2007	1-469-555-21	INDUCTOR	10µH		
	FUTED			L2008	1-469-555-21	INDUCTOR	10µH		
	<u>FILTER</u>			L2009	1-469-555-21	INDUCTOR	10µH		
FL2001	1-239-848-21	FILTER, LOW PASS		L2010	1-469-555-21	INDUCTOR	10µH		
FL2002	1-239-848-21	FILTER, LOW PASS		L2011	1-469-555-21	INDUCTOR	10µH		
FL2003	1-239-848-21	FILTER, LOW PASS							
FL2201	1-239-848-21	FILTER, LOW PASS		L2012	1-469-555-21	INDUCTOR	10µH		
FL2202	1-239-848-21	FILTER, LOW PASS		L2013	1-469-555-21	INDUCTOR	10µH		
1 22202	1 200 0 10 2 1	1121211, 2011 17100		L2200	1-469-555-21	INDUCTOR	10µH		
FL2203	1-239-848-21	FILTER, LOW PASS		L2201	1-469-555-21	INDUCTOR	10μΗ		
FL2204	1-239-848-21	FILTER, LOW PASS		L2202	1-469-555-21	INDUCTOR	10μΗ		
1 LZZ04	1 200 040 21	TILILIN, LOW TAOO					'		
	10			L2203	1-216-001-00	RES-CHIP	10	5%	1/10W
	<u>IC</u>			L2204	1-469-555-21	INDUCTOR	10µH		
IC2001	8-752-394-69	IC CXD2073Q-T4		L2205	1-216-001-00	RES-CHIP	10	5%	1/10W
IC2004	8-752-102-21	IC CXA2103AQ		L2206	1-469-555-21	INDUCTOR	10µH	0,0	.,
IC2005	8-752-102-21	IC CXA2103AQ		L2207	1-469-553-21	INDUCTOR	4.7µH		
IC2006	8-752-103-44	IC CXA2171Q		LLLOT	1 100 000 21	INDOOTOR	μ		
IC2008	8-759-448-68	IC NJM2283V-TE1		L2301	1-469-555-21	INDUCTOR	10µH		
102000	0 700 710 00	TO NOMEZOOV TET		L2302	1-469-555-21	INDUCTOR	10μH		
IC2009	6-700-205-01	IC TC74LVX157FT(EL)		L2303	1-469-555-21	INDUCTOR	10μH		
IC2010	6-700-205-01	IC TC74LVX157FT(EL)		L2501	1-412-537-31	INDUCTOR	100μH		
IC2200	6-700-960-01	IC UPD64083GF-3BA		L2502	1-216-295-91	SHORT CHIP	0		
IC2201	6-700-399-01	IC UPC2925T-E1		22002	1 210 200 01	OHOTTI OHII	O		
IC2300	6-802-167-01	IC M306V3MG-052FP			TRANSISTOR				
102000	0-002-107-01	10 101000 0 01010-0021 1			TRANSISTOR				
IC2301	6-801-375-01	IC PST9129NL		Q2001	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX		
IC2302	8-759-682-41	IC M24C32-WMN6T(A)		Q2002	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX		
IC2303	8-752-930-68	IC CXP964032-001Q		Q2003	8-729-424-02	TRANSISTOR 2SB709	A-QRS-TX		
IC2303	8-752-930-68	IC CXP964032-001Q		Q2004	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX		
IC2304	8-759-641-26	IC NJM2391DL1-33(TE	1\	Q2005	8-729-424-02	TRANSISTOR 2SB709			
102303	0-733-041-20	10 NJW239 IDL 1-33(1E	1)	A=					
IC2500	8-759-394-57	IC PST593C-MMP-4P		Q2006	8-729-422-27	TRANSISTOR 2SD601	A-QRS-TX		
	6-801-750-01			Q2007	8-729-422-27	TRANSISTOR 2SD601			
IC2501		IC TC94A04F-014		Q2008	8-729-422-27	TRANSISTOR 2SD601			
IC2502	8-759-331-71	IC NJM4558E(TE2)		Q2009	8-729-422-27	TRANSISTOR 2SD601			
IC2504	8-759-642-22	IC UPC29M05T-E2		Q2010	8-729-422-27	TRANSISTOR 2SD601			
	CHIP CONDUCT	TOR		Q2010	0 120 422 21	110 110 10 10 10 10 20 20 20	A GILO IX		
				Q2011	8-729-424-02	TRANSISTOR 2SB709	A_ORS_TY		
JR1	1-216-864-11	SHORT CHIP	0	Q2011 Q2012	8-729-424-02	TRANSISTOR 2SB709			
JR2001	1-216-864-11	SHORT CHIP	0	Q2012 Q2013	8-729-424-02	TRANSISTOR 2SB709			
JR2002	1-216-864-11	SHORT CHIP	0	Q2013 Q2014		TRANSISTOR 2SD601			
JR2003	1-216-864-11	SHORT CHIP	0	Q2014 Q2015	8-729-422-27	TRANSISTOR 2SB709			
JR2004	1-216-864-11	SHORT CHIP	0	QZUIÜ	8-729-424-02	INANOIOION ZOD/US	/n⁻\d\0-1\		
JR2005	1-216-864-11	SHORT CHIP	0						
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REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES	3	
Q2016	8-729-422-27	TRANSISTOR 2SD601A	-QRS-TX	Q2502	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX		
Q2018	8-729-422-27	TRANSISTOR 2SD601A	-QRS-TX	Q2503	8-729-422-27	TRANSISTOR 2SD601A	A-QRS-TX		
Q2019	8-729-422-27	TRANSISTOR 2SD601A	-QRS-TX	Q2504	8-729-422-27	TRANSISTOR 2SD601A	A-QRS-TX		
Q2200	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX	Q2505	8-729-422-27	TRANSISTOR 2SD601A	A-QRS-TX		
Q2201	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX	Q2506	8-729-422-27	TRANSISTOR 2SD601A	A-QRS-TX		
Q2202	8-729-422-27	TRANSISTOR 2SD601A	-ORS-TX	Q2507	8-729-422-27	TRANSISTOR 2SD601A	A-QRS-TX		
Q2203	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX	Q2508	8-729-422-27	TRANSISTOR 2SD601A	A-QRS-TX		
Q2204	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX	Q2509	8-729-422-27	TRANSISTOR 2SD601A	A-QRS-TX		
Q2205	8-729-422-27	TRANSISTOR 2SD601A	** *	Q2510	8-729-422-27	TRANSISTOR 2SD601A			
Q2206	8-729-422-27	TRANSISTOR 2SD601A	., .	Q2511	8-729-422-27	TRANSISTOR 2SD601A	A-QRS-TX		
Q2207	8-729-422-27	TRANSISTOR 2SD601A	-ORS-TX	Q2512	8-729-422-27	TRANSISTOR 2SD601A	A-ORS-TX		
Q2208	8-729-422-27	TRANSISTOR 2SD601A	., .	Q2513	8-729-422-27	TRANSISTOR 2SD601A			
Q2209	8-729-422-27	TRANSISTOR 2SD601A	., .	Q2010	0 120 122 21	110 110 10 10 11 20 200 17	1 4110 171		
Q2210	8-729-422-27	TRANSISTOR 2SD601A			DECICTOR				
Q2211	8-729-422-27	TRANSISTOR 2SD601A			RESISTOR				
QLL	0 120 122 27	110 010101011 2000017	, and the	R2001	1-216-809-11	RES-CHIP	100	5%	1/10W
Q2212	8-729-422-27	TRANSISTOR 2SD601A	-ORS-TX	R2002	1-216-821-11	RES-CHIP	1K	5%	1/10W
Q2213	8-729-422-27	TRANSISTOR 2SD601A		R2003	1-218-686-11	METAL CHIP	560	0.50%	1/16W
Q2214	8-729-424-02	TRANSISTOR 2SB709A	., .	R2004	1-216-821-11	RES-CHIP	1K	5%	1/10W
Q2215	8-729-422-27	TRANSISTOR 2SD601A	** *	R2005	1-216-821-11	RES-CHIP	1K	5%	1/10W
Q2216	8-729-424-02	TRANSISTOR 2SB709A	., .						
QLLTO	0 120 121 02	110 11010101010	a di to 17t	R2006	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
Q2301	8-729-422-27	TRANSISTOR 2SD601A	-ORS-TX	R2007	1-218-708-11	METAL CHIP	4.7K	0.50%	1/16W
Q2302	8-729-422-27	TRANSISTOR 2SD601A	., .	R2008	1-218-692-11	METAL CHIP	1K	0.50%	1/16W
Q2303	8-729-422-27	TRANSISTOR 2SD601A	., .	R2009	1-216-821-11	RES-CHIP		5%	1/10W
Q2304	8-729-422-27	TRANSISTOR 2SD601A	., .	R2010	1-216-821-11	RES-CHIP	1K	5%	1/10W
Q2305	8-729-422-27	TRANSISTOR 2SD601A	., .						
Q2000	0 120 122 27	110 010101011 2050017	, and 17	R2011	1-218-686-11	METAL CHIP	560	0.50%	1/16W
Q2306	8-729-422-27	TRANSISTOR 2SD601A	-ORS-TX	R2012	1-216-821-11	RES-CHIP	1K	5%	1/10W
Q2307	8-729-422-27	TRANSISTOR 2SD601A		R2013	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
Q2308	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX	R2014	1-216-821-11	RES-CHIP	1K	5%	1/10W
Q2309	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX	R2015	1-218-734-11	METAL CHIP	56K	0.50%	1/16W
Q2310	8-729-422-27	TRANSISTOR 2SD601A	-QRS-TX						
				R2016	1-216-839-11	RES-CHIP		5%	1/10W
Q2311	8-729-422-27	TRANSISTOR 2SD601A	-QRS-TX	R2017	1-216-837-11	RES-CHIP		5%	1/10W
Q2312	8-729-422-27	TRANSISTOR 2SD601A	-QRS-TX	R2018	1-216-812-11	RES-CHIP		5%	1/10W
Q2313	8-729-422-27	TRANSISTOR 2SD601A	-QRS-TX	R2020	1-216-811-11	RES-CHIP		5%	1/10W
Q2314	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX	R2022	1-218-704-11	METAL CHIP	3.3K	0.50%	1/16W
Q2315	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX	D0000	1 010 000 11	DEO OLUB	001/	5 0/	4/40/4/
				R2023	1-216-839-11	RES-CHIP		5%	1/10W
Q2316	8-729-424-02	TRANSISTOR 2SB709A		R2024	1-216-837-11	RES-CHIP		5%	1/10W
Q2317	8-729-422-27	TRANSISTOR 2SD601A	., .	R2025	1-218-700-11	METAL CHIP			1/16W
Q2318	8-729-422-27	TRANSISTOR 2SD601A		R2026	1-218-704-11	METAL CHIP		0.50%	1/16W
Q2320	8-729-422-27	TRANSISTOR 2SD601A		R2027	1-216-864-11	SHORT CHIP	0		
Q2321	8-729-422-27	TRANSISTOR 2SD601A	-QRS-TX	R2030	1-216-817-11	RES-CHIP	470	5%	1/10W
Q2322	8-729-422-27	TRANSISTOR 2SD601A	-ORS-TY	R2032	1-216-817-11	RES-CHIP		5%	1/10W
Q2322 Q2323	8-729-422-27	TRANSISTOR 2SD601A	., .	R2035	1-216-817-11	RES-CHIP		5%	1/10W
Q2523 Q2500	8-729-422-27	TRANSISTOR 2SD601A	., .	R2036	1-216-837-11	RES-CHIP		5%	1/10W
Q2501	8-729-422-27	TRANSISTOR 2SD601A	., .	R2040	1-216-817-11	RES-CHIP		5%	1/10W
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REF. NO.	PART NO.	DESCRIPTION	VALU	ES		R	EF. NO.	PART NO.	DESCRIPTION	VALU	JES	
R2041	1-216-837-11	RES-CHIP	22K	5%	1/10W	R2	112	1-216-809-11	RES-CHIP	100	5%	1/10W
R2045	1-218-686-11	METAL CHIP	560	0.50%	1/16W	R2	1113	1-216-809-11	RES-CHIP	100	5%	1/10W
R2046	1-218-686-11	METAL CHIP	560		1/16W	1	114	1-216-805-11	RES-CHIP	47	5%	1/10W
R2048	1-218-710-11	METAL CHIP	5.6K		1/16W		115	1-216-805-11	RES-CHIP	47	5%	1/10W
R2049	1-218-710-11	METAL CHIP	5.6K		1/16W	1	116	1-216-805-11	RES-CHIP	47	5%	1/10W
112010	121011011	ME II LE OI III	0.011	0.0070	17 1011			1210 000 11	1120 01111		0 70	1, 1011
R2050	1-216-817-11	RES-CHIP	470	5%	1/10W	R2	118	1-216-809-11	RES-CHIP	100	5%	1/10W
R2051	1-216-817-11	RES-CHIP	470	5%	1/10W	R2	119	1-216-809-11	RES-CHIP	100	5%	1/10W
R2052	1-216-835-11	RES-CHIP	15K	5%	1/10W	R2	120	1-216-809-11	RES-CHIP	100	5%	1/10W
R2053	1-216-864-11	SHORT CHIP	0			R2	123	1-216-809-11	RES-CHIP	100	5%	1/10W
R2054	1-216-835-11	RES-CHIP	15K	5%	1/10W	R2	124	1-216-809-11	RES-CHIP	100	5%	1/10W
DOOLE	4 040 000 44	DEC CUID	101/	E0/	4/40/4/	D.	405	4 040 000 44	DEC CUID	400	E0/	4/40\4/
R2055	1-216-833-11	RES-CHIP	10K	5%	1/10W		125	1-216-809-11	RES-CHIP	100	5%	1/10W
R2056	1-216-809-11	RES-CHIP	100	5%	1/10W		126	1-216-809-11	RES-CHIP	100	5%	1/10W
R2057	1-216-809-11	RES-CHIP	100	5%	1/10W	1	131	1-216-809-11	RES-CHIP	100	5%	1/10W
R2058	1-216-809-11	RES-CHIP	100	5%	1/10W		133	1-216-864-11	SHORT CHIP	0		
R2059	1-216-809-11	RES-CHIP	100	5%	1/10W	R2	201	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2061	1-216-828-11	RES-CHIP	3.9K	5%	1/10W	R2	202	1-216-809-11	RES-CHIP	100	5%	1/10W
R2064	1-216-828-11	RES-CHIP	3.9K	5%	1/10W	R2	203	1-216-809-11	RES-CHIP	100	5%	1/10W
R2067	1-216-809-11	RES-CHIP	100	5%	1/10W	1	204	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2069	1-216-864-11	SHORT CHIP	0			1	205	1-216-864-11	SHORT CHIP	0		
R2071	1-216-864-11	SHORT CHIP	0			1	206	1-216-864-11	SHORT CHIP	0		
R2072	1-216-841-11	RES-CHIP	47K	5%	1/10W		207	1-216-809-11	RES-CHIP	100	5%	1/10W
R2073	1-216-841-11	RES-CHIP	47K	5%	1/10W	1	208	1-216-809-11	RES-CHIP	100	5%	1/10W
R2074	1-216-833-11	RES-CHIP	10K	5%	1/10W	1	209	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2075	1-216-864-11	SHORT CHIP	0			1	210	1-216-818-11	RES-CHIP	560	5%	1/10W
R2076	1-216-864-11	SHORT CHIP	0			R2	211	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2077	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2	212	1-216-818-11	RES-CHIP	560	5%	1/10W
R2081	1-216-809-11	RES-CHIP	100	5%	1/10W		213	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R2082	1-216-809-11	RES-CHIP	100	5%	1/10W	1	214	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2083	1-216-851-11	RES-CHIP	330K	5%	1/10W	1	215	1-216-830-11	RES-CHIP	5.6K	5%	1/10W
R2086	1-216-818-11	RES-CHIP	560	5%	1/10W	1	216	1-216-817-11	RES-CHIP	470	5%	1/10W
112000	121001011	1120 01111	000	0,0	1,1011	112	10	1210011 11	1120 01111	170	070	1,1011
R2087	1-216-818-11	RES-CHIP	560	5%	1/10W	R2	217	1-216-817-11	RES-CHIP	470	5%	1/10W
R2091	1-216-809-11	RES-CHIP	100	5%	1/10W	R2	218	1-216-830-11	RES-CHIP	5.6K	5%	1/10W
R2092	1-216-818-11	RES-CHIP	560	5%	1/10W	R2	219	1-216-830-11	RES-CHIP	5.6K	5%	1/10W
R2093	1-216-818-11	RES-CHIP	560	5%	1/10W	R2	220	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2094	1-218-716-11	METAL CHIP	10K	0.50%	1/16W	R2	221	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2095	1-216-864-11	SHORT CHIP	0			P?	222	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2097	1-216-809-11	RES-CHIP	100	5%	1/10W		223	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2097	1-216-809-11	RES-CHIP	100	5% 5%	1/10W		224	1-216-809-11	RES-CHIP	100	5%	1/10W
R2101	1-216-821-11	RES-CHIP	160 1K	5% 5%	1/10W		225	1-216-818-11	RES-CHIP	560	5%	1/10W
R2101	1-216-809-11	RES-CHIP	100	5%	1/10W		226	1-216-817-11	RES-CHIP	470	5%	1/10W
11/2 10/0	1-210-003-11	NEO-OHIII	100	J /0	1/ 1000	I RZ		1-210-01/-11	NEO-OHIII	410	J /0	1/ 10//
R2105	1-216-809-11	RES-CHIP	100	5%	1/10W	R2	227	1-216-816-11	RES-CHIP	390	5%	1/10W
R2107	1-216-809-11	RES-CHIP	100	5%	1/10W	R2	228	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2110	1-216-818-11	RES-CHIP	560	5%	1/10W	R2	229	1-216-849-11	RES-CHIP	220K	5%	1/10W
R2111	1-216-818-11	RES-CHIP	560	5%	1/10W	R2	230	1-216-841-11	RES-CHIP	47K	5%	1/10W
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REF. NO.	PART NO.	DESCRIPTION	VALU	ES			REF. NO.	PART NO.	DESCRIPTION	VALU	ES	
R2231	1-216-819-11	RES-CHIP	680	5%	1/10W		R2311	1-216-809-11	RES-CHIP	100	5%	1/10W
R2232	1-216-821-11	RES-CHIP	1K	5%	1/10W		R2312	1-216-809-11	RES-CHIP	100	5%	1/10W
R2233	1-216-821-11	RES-CHIP	1K	5%	1/10W		R2313	1-216-809-11	RES-CHIP	100	5%	1/10W
R2234	1-216-820-11	RES-CHIP	820	5%	1/10W		R2314	1-216-809-11	RES-CHIP	100	5%	1/10W
R2235	1-216-822-11	RES-CHIP	1.2K	5%	1/10W		R2315	1-216-809-11	RES-CHIP	100	5%	1/10W
T LL LOO	1 210 022 11	1120 01111		070	1,1011		142010	1210 000 11	1120 01111	100	070	1,1011
R2236	1-216-813-11	RES-CHIP	220	5%	1/10W		R2316	1-216-809-11	RES-CHIP	100	5%	1/10W
R2237	1-216-820-11	RES-CHIP	820	5%	1/10W		R2317	1-216-809-11	RES-CHIP	100	5%	1/10W
R2238	1-216-819-11	RES-CHIP	680	5%	1/10W		R2318	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2239	1-216-821-11	RES-CHIP	1K	5%	1/10W		R2319	1-216-809-11	RES-CHIP	100	5%	1/10W
R2240	1-216-834-11	RES-CHIP	12K	5%	1/10W		R2320	1-216-809-11	RES-CHIP	100	5%	1/10W
R2241	1-216-839-11	RES-CHIP	33K	5%	1/10W		R2321	1-216-809-11	RES-CHIP	100	5%	1/10W
R2242	1-218-680-11	METAL CHIP	330	0.50%	1/16W		R2322	1-216-809-11	RES-CHIP	100	5%	1/10W
R2243	1-216-834-11	RES-CHIP	12K	5%	1/10W		R2323	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2244	1-216-839-11	RES-CHIP	33K	5%	1/10W		R2324	1-216-809-11	RES-CHIP	100	5%	1/10W
R2245	1-218-684-11	METAL CHIP	470		1/16W		R2325	1-216-864-11	SHORT CHIP	0	070	1/1011
TALL TO	1 210 001 11	ME I/ LE OF III	110	0.0070	1/1011		112020	1 210 001 11	OHORI OHII	· ·		
R2246	1-216-821-11	RES-CHIP	1K	5%	1/10W		R2326	1-216-809-11	RES-CHIP	100	5%	1/10W
R2247	1-216-805-11	RES-CHIP	47	5%	1/10W		R2327	1-216-809-11	RES-CHIP	100	5%	1/10W
R2248	1-216-821-11	RES-CHIP	1K	5%	1/10W		R2328	1-216-809-11	RES-CHIP	100	5%	1/10W
R2249	1-216-805-11	RES-CHIP	47	5%	1/10W		R2329	1-216-815-11	RES-CHIP	330	5%	1/10W
R2250	1-216-830-11	RES-CHIP	5.6K	5%	1/10W		R2330	1-216-817-11	RES-CHIP	470	5%	1/10W
NZZOO	1210 000 11	NEO OTIII	0.010	070	1/1011		112000	121001111	TALO OTTI	110	070	1/1011
R2251	1-216-818-11	RES-CHIP	560	5%	1/10W		R2333	1-216-809-11	RES-CHIP	100	5%	1/10W
R2252	1-216-821-11	RES-CHIP	1K	5%	1/10W		R2335	1-216-820-11	RES-CHIP	820	5%	1/10W
R2253	1-216-809-11	RES-CHIP	100	5%	1/10W		R2336	1-216-809-11	RES-CHIP	100	5%	1/10W
R2254	1-216-817-11	RES-CHIP	470	5%	1/10W		R2337	1-216-809-11	RES-CHIP	100	5%	1/10W
R2255	1-216-817-11	RES-CHIP	470	5%	1/10W		R2338	1-216-864-11	SHORT CHIP	0		
R2256	1-216-821-11	RES-CHIP	1K	5%	1/10W		R2339	1-216-809-11	RES-CHIP	100	5%	1/10W
R2257	1-216-864-11	SHORT CHIP	0				R2340	1-216-809-11	RES-CHIP	100	5%	1/10W
R2258	1-216-833-11	RES-CHIP	10K	5%	1/10W		R2341	1-216-809-11	RES-CHIP	100	5%	1/10W
R2259	1-216-833-11	RES-CHIP	10K	5%	1/10W		R2342	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R2260	1-216-840-11	RES-CHIP	39K	5%	1/10W		R2343	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2261	1-216-821-11	RES-CHIP	1K	5%	1/10W		R2344	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2298	1-216-821-11	RES-CHIP	1K	5%	1/10W		R2345	1-216-809-11	RES-CHIP	100	5%	1/10W
R2299	1-216-841-11	RES-CHIP	47K	5%	1/10W		R2346	1-218-734-11	METAL CHIP	56K	0.50%	1/16W
R2300	1-216-841-11	RES-CHIP	47K	5%	1/10W		R2347	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2301	1-216-809-11	RES-CHIP	100	5%	1/10W		R2348	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R2302	1-216-809-11	RES-CHIP	100	5%	1/10W		R2349	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2303	1-216-809-11	RES-CHIP	100	5%	1/10W		R2350	1-216-809-11	RES-CHIP	100	5%	1/10W
R2304	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	1	R2351	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2305	1-216-809-11	RES-CHIP	100	5%	1/10W		R2352	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2306	1-216-809-11	RES-CHIP	100	5%	1/10W		R2353	1-216-809-11	RES-CHIP	100	5%	1/10W
R2307	1-216-809-11	RES-CHIP	100	5%	1/10W	1	R2354	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R2308	1-216-809-11	RES-CHIP	100	5%	1/10W	1	R2355	1-216-809-11	RES-CHIP	100	5%	1/10W
R2309	1-216-809-11	RES-CHIP	100	5%	1/10W		R2356	1-216-805-11	RES-CHIP	47	5%	1/10W
R2310	1-216-833-11	RES-CHIP	10K	5%	1/10W	1	R2357	1-216-833-11	RES-CHIP	10K	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALU	ES		REF. NO.	PART NO.	DESCRIPTION	VALU	IES	
R2358	1-216-821-11	RES-CHIP	1K	5%	1/10W	R2402	1-216-811-11	RES-CHIP	150	5%	1/10W
R2359	1-216-805-11	RES-CHIP	47	5%	1/10W	R2403	1-216-857-11	RES-CHIP	1M	5%	1/10W
R2360	1-216-864-11	SHORT CHIP	0		.,	R2404	1-218-706-11	METAL CHIP	3.9K	0.50%	
R2361	1-216-864-11	SHORT CHIP	0			R2405	1-216-811-11	RES-CHIP	150	5%	1/10W
R2362	1-216-805-11	RES-CHIP	47	5%	1/10W	R2406	1-216-811-11	RES-CHIP	150	5%	1/10W
NEOUL	1 210 000 11	NEO OF III	71	0 70	1/1000	112400	1 210 011 11	NEO OF III	100	0 /0	1/1044
R2363	1-216-841-11	RES-CHIP	47K	5%	1/10W	R2407	1-216-811-11	RES-CHIP	150	5%	1/10W
R2364	1-216-809-11	RES-CHIP	100	5%	1/10W	R2408	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R2365	1-216-864-11	SHORT CHIP	0			R2409	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2366	1-216-864-11	SHORT CHIP	0			R2410	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2367	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R2411	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2368	1-216-809-11	RES-CHIP	100	5%	1/10W	R2412	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2369	1-216-805-11	RES-CHIP	47	5%	1/10W	R2413	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R2370	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2414	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
R2371	1-216-809-11	RES-CHIP	100	5%	1/10W	R2415	1-218-692-11	METAL CHIP	1K		1/16W
R2371	1-216-809-11	RES-CHIP	100	5%	1/10W	R2415 R2416	1-216-833-11	RES-CHIP	10K	5%	1/10W
RZJIZ	1-210-009-11	KES-UNIF	100	3%	1/1000	K2410	1-210-033-11	KES-UNIF	IUK	5%	1/1000
R2373	1-216-864-11	SHORT CHIP	0			R2417	1-216-827-11	RES-CHIP	3.3K	5%	1/10W
R2374	1-216-864-11	SHORT CHIP	0			R2418	1-218-692-11	METAL CHIP	1K	0.50%	1/16W
R2375	1-216-837-11	RES-CHIP	22K	5%	1/10W	R2419	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2376	1-216-805-11	RES-CHIP	47	5%	1/10W	R2420	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2377	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2421	1-216-841-11	RES-CHIP	47K	5%	1/10W
	. 2.0 000			0,0	.,					0,0	.,
R2378	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R2422	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2379	1-216-821-11	RES-CHIP	1K	5%	1/10W	R2423	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2380	1-216-809-11	RES-CHIP	100	5%	1/10W	R2424	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2381	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2425	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2382	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2426	1-216-841-11	RES-CHIP	47K	5%	1/10W
R2383	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2427	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2384	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2428	1-216-824-11	RES-CHIP	1.8K	5%	1/10W
R2385	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2429	1-216-824-11	RES-CHIP	1.8K	5%	1/10W
R2386	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2430	1-216-825-11	RES-CHIP	2.2K	5%	1/10W
R2387	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2431	1-216-841-11	RES-CHIP	47K	5%	1/10W
B0000	1 010 015 11	DEC CLUB	000	5 0/	4/4014/	B0.400	4 040 044 44	DE0 0111D	4717	5 0/	4440044
R2388	1-216-815-11	RES-CHIP	330	5%	1/10W	R2432	1-216-841-11	RES-CHIP	47K	5%	1/10W
R2389	1-216-815-11	RES-CHIP	330	5%	1/10W	R2433	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2390	1-216-809-11	RES-CHIP	100	5%	1/10W	R2434	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2391	1-216-809-11	RES-CHIP	100	5%	1/10W	R2435	1-216-820-11	RES-CHIP	820	5%	1/10W
R2392	1-216-809-11	RES-CHIP	100	5%	1/10W	R2436	1-216-820-11	RES-CHIP	820	5%	1/10W
R2393	1-216-809-11	RES-CHIP	100	5%	1/10W	R2437	1-216-809-11	RES-CHIP	100	5%	1/10W
R2394	1-216-864-11	SHORT CHIP	0			R2438	1-216-820-11	RES-CHIP	820	5%	1/10W
R2395	1-216-864-11	SHORT CHIP	0			R2450	1-216-864-11	SHORT CHIP	0		
R2396	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2452	1-216-839-11	RES-CHIP	33K	5%	1/10W
R2397	1-216-833-11	RES-CHIP	10K	5%	1/10W	R2453	1-216-833-11	RES-CHIP	10K	5%	1/10W
Dooco	4 040 057 11	DEO OLUB	414	F0/	4/4014/	B0454	4 040 000 11	DEO CLUB	400	F0/	4/4014
R2398	1-216-857-11	RES-CHIP	1M	5%	1/10W	R2454	1-216-809-11	RES-CHIP	100	5%	1/10W
R2399	1-218-706-11	METAL CHIP	3.9K		1/16W	R2455	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2400	1-216-811-11	RES-CHIP	150	5%	1/10W	R2459	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2401	1-216-811-11	RES-CHIP	150	5%	1/10W	R2460	1-216-809-11	RES-CHIP	100	5%	1/10W



REF. NO.	PART NO.	DESCRIPTION	VALU	ES		RE	F. NO.	PART NO.	DESCRIPTION	VALU	JES	
R2461	1-216-833-11	RES-CHIP	10K	5%	1/10W	R25	33	1-216-864-11	SHORT CHIP	0		
R2463	1-216-833-11	RES-CHIP	10K	5%	1/10W	R25		1-216-837-11	RES-CHIP	22K	5%	1/10W
R2464	1-216-833-11	RES-CHIP	10K	5%	1/10W	R25		1-216-821-11	RES-CHIP	1K	5%	1/10W
R2466	1-216-833-11	RES-CHIP	10K	5%	1/10W	R25		1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R2467	1-216-833-11	RES-CHIP	10K	5%	1/10W	R25		1-216-841-11	RES-CHIP	47K	5%	1/10W
R2469	1-216-809-11	RES-CHIP	100	5%	1/10W	R25	39	1-216-841-11	RES-CHIP	47K	5%	1/10W
R2470	1-216-833-11	RES-CHIP	10K	5%	1/10W	R25	40	1-216-864-11	SHORT CHIP	0		
R2471	1-216-833-11	RES-CHIP	10K	5%	1/10W	R25	41	1-216-864-11	SHORT CHIP	0		
R2472	1-216-833-11	RES-CHIP	10K	5%	1/10W	R25	42	1-216-829-11	RES-CHIP	4.7K	5%	1/10W
R2473	1-216-839-11	RES-CHIP	33K	5%	1/10W	R25	43	1-216-864-11	SHORT CHIP	0		
R2474	1-216-837-11	RES-CHIP	22K	5%	1/10W	Doc	40	4 040 040 44	DEO OLUD	000	F0/	4/40/4/
R2474	1-216-845-11	RES-CHIP	100K	5%	1/10W	R25		1-216-813-11	RES-CHIP	220	5%	1/10W
R2481	1-216-833-11	RES-CHIP	10K	5%	1/10W	R25		1-216-813-11	RES-CHIP	220	5%	1/10W
R2483	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R25		1-216-841-11	RES-CHIP	47K	5%	1/10W
R2484		RES-CHIP	4.7K 47K	5%	1/10W	R25		1-216-813-11	RES-CHIP	220	5%	1/10W
K2404	1-216-841-11	RES-CHIP	4/K	370	1/1000	R25	50	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2500	1-216-809-11	RES-CHIP	100	5%	1/10W	R25	51	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2501	1-216-839-11	RES-CHIP	33K	5%	1/10W	R25		1-216-809-11	RES-CHIP	100	5%	1/10W
R2502	1-216-864-11	SHORT CHIP	0			R25		1-216-853-11	RES-CHIP	470K	5%	1/10W
R2503	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R25		1-216-809-11	RES-CHIP	100	5%	1/10W
R2506	1-216-841-11	RES-CHIP	47K	5%	1/10W	R25		1-216-853-11	RES-CHIP	470K	5%	1/10W
R2508	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R25	56	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2509	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R25	57	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2510	1-216-839-11	RES-CHIP	33K	5%	1/10W	R25		1-216-833-11	RES-CHIP	10K	5%	1/10W
R2511	1-216-839-11	RES-CHIP	33K	5%	1/10W	R25		1-216-833-11	RES-CHIP	10K	5%	1/10W
R2512	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R25	60	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2513	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R25	61	1-216-833-11	RES-CHIP	10K	5%	1/10W
R2514	1-216-841-11	RES-CHIP	47K	5%	1/10W	R25		1-216-833-11	RES-CHIP	10K	5%	1/10W
R2515	1-216-841-11	RES-CHIP	47K	5%	1/10W	R25		1-216-833-11	RES-CHIP	10K	5%	1/10W
R2516	1-216-839-11	RES-CHIP	33K	5%	1/10W	R25		1-216-817-11	RES-CHIP	470	5%	1/10W
R2517	1-216-841-11	RES-CHIP	47K	5%	1/10W	R25		1-216-837-11	RES-CHIP	22K	5%	1/10W
R2518	1-216-825-11	RES-CHIP	2.2K	5%	1/10W	R25	66	1-216-837-11	RES-CHIP	22K	5%	1/10W
R2519	1-216-857-11	RES-CHIP	1M	5%	1/10W	R25	67	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2520	1-216-864-11	SHORT CHIP	0			R25	68	1-216-837-11	RES-CHIP	22K	5%	1/10W
R2521	1-216-864-11	SHORT CHIP	0			R25		1-216-821-11	RES-CHIP	1K	5%	1/10W
R2522	1-216-829-11	RES-CHIP	4.7K	5%	1/10W	R25	70	1-216-837-11	RES-CHIP	22K	5%	1/10W
R2523	1-216-813-11	RES-CHIP	220	5%	1/10W	R25	71	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2524	1-216-809-11	RES-CHIP	100	5%	1/10W	R25		1-216-837-11	RES-CHIP	22K	5%	1/10W
R2525	1-216-813-11	RES-CHIP	220	5%	1/10W	R25		1-216-837-11	RES-CHIP	22K	5%	1/10W
R2526	1-216-864-11	SHORT CHIP	0	0 / 0	171011	R25		1-216-837-11	RES-CHIP	22K	5%	1/10W
R2528	1-216-809-11	RES-CHIP	100	5%	1/10W	R25		1-216-837-11	RES-CHIP	22K	5%	1/10W
				- 70		1123	. 0	1 2 10 001-11	NEO OTHI	LLIN	J /0	1, 10 **
R2529	1-216-809-11	RES-CHIP	100	5%	1/10W	R25	76	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2530	1-216-809-11	RES-CHIP	100	5%	1/10W	R25	77	1-216-837-11	RES-CHIP	22K	5%	1/10W
R2531	1-216-821-11	RES-CHIP	1K	5%	1/10W	R25	78	1-216-821-11	RES-CHIP	1K	5%	1/10W
R2532	1-216-837-11	RES-CHIP	22K	5%	1/10W	R25	79	1-216-837-11	RES-CHIP	22K	5%	1/10W



	REF. NO.	PART NO.	DESCRIPTION	VALUE	S			REF. NO.	PART NO.	DESCRIPTION	VALUI	ES	
	R2580	1-216-821-11	RES-CHIP	1K	5%	1/10W		R1101	1-247-895-91	CARBON	470K	5%	1/4W
	R2581	1-216-825-11	RES-CHIP	2.2K	5%	1/10W		R1102	1-247-804-11	CARBON	75	5%	1/4W
	R2582	1-216-809-11	RES-CHIP	100	5%	1/10W		R1103	1-247-804-11	CARBON	75	5%	1/4W
	R2584	1-216-813-11	RES-CHIP	220	5%	1/10W		R1106	1-249-417-11	CARBON	1K	5%	1/4W
	R2585	1-216-864-11	SHORT CHIP	0				R1107	1-247-804-11	CARBON	75	5%	1/4W
							ا						
	R2593	1-216-864-11	SHORT CHIP	0			╙	$\Lambda \Lambda \perp$					
	R2603	1-216-845-11	RES-CHIP	100K	5%	1/10W	╽╟	HVI					
	R2604	1-216-845-11	RES-CHIP	100K	5%	1/10W							
	R2605	1-216-864-11	SHORT CHIP	0				The HM b	oard is <u>not</u> field	repairable. If service	is require	ed, use	
	R2607	1-216-821-11	RES-CHIP	1K	5%	1/10W		the follow	ving part numbe	r to order a complete	replacem	ent bo	ard.
	R2608	1-216-833-11	RES-CHIP	10K	5%	1/10W		Data is p	rovided for refer	ence only.			
		CRYSTAL						*	A-1300-323-A	HM BOARD, MOUN	TED		
	X2001	1-567-505-11	OSCILLATOR, CRYSTA	I					CAPACITOR				
	X2002	1-567-505-11	OSCILLATOR, CRYSTA						<u>OAI AOITON</u>				
	X2003	1-781-282-11	VIBRATOR, CERAMIC	_				C7205	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	X2200	1-767-606-11	VIBRATOR, CRYSTAL					C7206	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
	X2300	1-795-572-11	VIBRATOR, CRYSTAL					C7208	1-124-779-00	ELECT CHIP	10µF	20%	16V
	712000	1 700 072 11	VIBIOTI OTI, OTTI OTILE					C7209	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	X2302	1-795-565-21	VIBRATOR, CERAMIC					C7210	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
	X2303	1-795-565-21	VIBRATOR, CERAMIC										
	X2500	1-767-639-21	VIBRATOR, CRYSTAL					C7212	1-164-156-11	CERAMIC CHIP	0.1µF		25V
								C7213	1-124-778-00	ELECT CHIP	22µF	20%	6.3V
⊩	\mathbf{H}							C7214	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
								C7215	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	*	A-1400-747-A	HB BOARD, MOUNT	ED				C7216	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
								C7217	1-124-778-00	ELECT CHIP	22µF	20%	6.3V
		CAPACITOR						C7219	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C1100	1-126-960-11	ELECT	1μF	20%	50V		C7220	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	C1101	1-126-960-11	ELECT	1μF	20%	50V		0.220		0_100 01	0.0.4.	, ,	
	01101	1 120 000 11		.μ.	2070	001			CONNECTOR				
		CONNECTOR					*	011=001					
							*	CN7201	1-816-402-11	CONNECTOR, MEMOR	RYSTICK		
*	CN1101	1-564-526-11	PLUG,CONNECTOR	11P				CN7205	1-695-915-11	TAB (CONTACT)			
		DIODE							DIODE				
	D1100	8-719-110-17	DIODE MTZJ-T-77-10B					D7201	8-719-800-76	DIODE MA153-TX			
	D1101	8-719-110-17	DIODE MTZJ-T-77-10B					D7202	8-719-800-76	DIODE MA153-TX			
	D1103	8-719-110-17	DIODE MTZJ-T-77-10B					D7203	8-719-800-76	DIODE MA153-TX			
								D7204	8-719-800-76	DIODE MA153-TX			
		<u>JACK</u>						D7205	8-719-800-76	DIODE MA153-TX			
	J1101	1-770-361-11	TERMINAL BLOCK, S					D7206	8-719-800-76	DIODE MA153-TX			
								D7207	8-719-800-76	DIODE MA153-TX			
		RESISTOR						D7208	8-719-800-76	DIODE MA153-TX			
								D7209	6-500-182-01	DIODE L1503CB/ID			
	R1100	1-247-895-91	CARBON	470K	5%	1/4W		D7210	8-719-083-58	DIODE UDZSTE-173.9	3		
								-					



REF. NO.	PART NO.	DESCRIPTION	VALUES	S			REF. NO.	PART NO.	DESCRIPTION	VALUE	S	
D7211	8-719-083-58	DIODE UDZSTE-173.9B	}				R7222	1-216-809-11	RES-CHIP	100	5%	1/10W
D7212	8-719-800-76	DIODE MA153-TX					R7224	1-216-833-11	RES-CHIP	10K	5%	1/10W
D7213	8-719-800-76	DIODE MA153-TX					R7225	1-216-845-11	RES-CHIP	100K	5%	1/10W
D7214	8-719-800-76	DIODE MA153-TX					R7226	1-218-716-11	METAL CHIP	10K	0.50%	1/16W
D7215	8-719-800-76	DIODE MA153-TX					R7228	1-216-864-11	SHORT CHIP	0		
D7216	8-719-800-76	DIODE MA153-TX					R7231	1-216-864-11	SHORT CHIP	0		
D7217	8-719-800-76	DIODE MA153-TX					R7232 R7233	1-216-841-11 1-216-841-11	RES-CHIP RES-CHIP	47K 47K	5% 5%	1/10W 1/10W
	FERRITE BEAD					┢	I A	1-210-041-11	NEO-OHIF	4/1	J /0	1/1000
FB7201	1-414-921-11	FERRITE	0µH				<u>At</u>					
FB7202	1-414-921-11	FERRITE	0μΗ				*	A-1400-748-A	HA BOARD, MOUNT	ED		
FB7203	1-414-921-11	FERRITE	0μH									
FB7204	1-414-921-11	FERRITE	0μΗ					CAPACITOR				
	<u>IC</u>						C1201	1-126-157-11	ELECT	10µF	20%	16V
IC7201	8-759-639-86	IC SN65LVDS32DR						CONNECTOR				
IC7202	6-701-763-11	IC DS90LV017ATMX						COMMEDICAL				
IC7203	8-759-698-08	IC SN74CBTLV1G125D	CKR			*	CN1201	1-564-525-11	PLUG,CONNECTOR	10P		
	COIL							DIODE				
L7201	1-419-370-21	INDUCTOR	0µH				D1201	8-719-053-43	DIODE SLR-325VCT31			
L7202	1-419-370-21	INDUCTOR	0μΗ				D1202	8-719-053-43	DIODE SLR-325VCT31			
L7203	1-419-370-21	INDUCTOR	0μH									
L7204	1-419-370-21	INDUCTOR	0μH					<u>IC</u>				
L7205	1-419-370-21	INDUCTOR	0μΗ									
							IC1201	8-742-129-00	HYB IC SBX1971-51P			
	TRANSISTOR							RESISTOR				
Q7201	8-729-424-02	TRANSISTOR 2SB709A					R1201	1-247-807-31	CARBON	100	5%	1/4W
Q7202	8-729-422-27	TRANSISTOR 2SD601A					R1202	1-249-413-11	CARBON	470	5%	1/4W
Q7203	8-729-424-02	TRANSISTOR 2SB709A	-QRS-TX				R1203	1-249-415-11	CARBON	680	5%	1/4W
							R1204	1-249-417-11	CARBON	1K	5%	1/4W
	RESISTOR						R1205	1-249-421-11	CARBON	2.2K	5%	1/4W
R7201	1-216-801-11	RES-CHIP	22	5%	1/10W							
R7202	1-216-801-11	RES-CHIP	22	5%	1/10W		R1206	1-249-409-11	CARBON	220	5%	1/4W
R7204	1-216-801-11	RES-CHIP	22	5%	1/10W		R1207	1-249-409-11	CARBON	220	5%	1/4W
R7205	1-218-692-11	METAL CHIP	1K		1/16W		R1208	1-249-393-11	CARBON	10	5%	1/4W
R7206	1-216-809-11	RES-CHIP	100	5%	1/10W		R1209	1-249-433-11	CARBON	22K	5%	1/4W
R7207	1-216-809-11	RES-CHIP	100	5%	1/10W			SWITCH				
R7208	1-216-809-11	RES-CHIP	100	5%	1/10W		S1201	1-572-198-11	SWITCH KEYBOARD			
R7209	1-216-809-11	RES-CHIP	100	5%	1/10W		S1202	1-572-198-11	SWITCH KEYBOARD			
R7210	1-216-803-11	RES-CHIP	33	5%	1/10W		S1203	1-572-198-11	SWITCH KEYBOARD			
R7221	1-216-821-11	RES-CHIP	1K	5%	1/10W		S1204	1-572-198-11	SWITCH KEYBOARD			
							S1205	1-572-198-11	SWITCH KEYBOARD			
							S1206	1-572-198-11	SWITCH KEYBOARD			
							S1207	1-572-198-11	SWITCH KEYBOARD			
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REF. NO.	PART NO.	DESCRIPTION	VALUES		REF. NO.	PART NO.	DESCRIPTION	VALUES
SR						ACCESSORIES	AND PACKING	
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the follow			replacement board.	*		4-042-463-01 4-076-420-01	SHEET, PROTECTION BAG, PROTECTION	I
*	A-1400-759-A	SR BOARD, MOUN	TED			4-088-026-11	MANUAL, INSTRUCTI	ON
	A-1400-733-A	SK BOAKD, WIOON	IED			4-088-026-21	MANUAL, INSTRUCTI	
	CONNECTOR					4-088-026-31	(KP-57WV700/65WV7) MANUAL, INSTRUCTI	*
CN9901	1-564-506-11	PLUG,CONNECTOR	3P			1 000 020 01	(KP-65WV700 ONLY)	
	DIODE			*		4-088-440-01	CUSHION, UPPER (KP-57WV600/57WV7)	00 ONLY)
D9902	8-719-069-55	DIODE UDZSTE-175.6	В	*		4-088-441-01	CUSHION, LOWER (KP-57WV700 ONLY)	
SB9901	BATTERY 1-756-295-11	BATTERY, SOLAR		*		4-088-444-01	CUSHION, LOWER (KP-57WV600 ONLY)	
000001	1-700-200-11	DATTERT, OCEAR		*		4-088-445-01	CUSHION, UPPER (KP-65WV600/65WV7	00 ONLY)
				*		4-088-446-01	CUSHION, LOWER (KP-65WV600/65WV7)	00 ONLY)
				*		4-088-442-01	INDIVIDUAL, CARTON (KP-57WV600/57WV7	
				*		4-088-447-01	INDIVIDUAL, CARTON (KP-65WV600/65WV7)	ĺ
				*		4-088-443-01	TRAY (KP-57WV600/57WV7)	00 ONLY)
				*		4-088-448-01	TRAY (KP-65WV600/65WV7)	
						1-468-681-11	REMOTE COMMANDE	
						4-081-888-01	BATTERY COVER (for	KM-Y188)

In an effort to reduce the size of this pdf file the tiled schematics are not attached to this Service Manual. To receive a complete set of the tiled schematics for this manual please submit a request to Nita Wardlaw at nita.wardlaw@am.sony.com.

4-088-026-**11**

SONY_®



Operating Instructions

WARNING

To reduce the risk of fire or shock hazard, do not expose the projection TV to rain or moisture.





This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

To prevent electric shock, do not use this polarized AC plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

CAUTION

When using TV games, computers, and similar products with your projection TV, or viewing a TV station whose logo always stays on the screen, keep the brightness and contrast functions at low settings. If a fixed (non-moving) pattern such as a station logo is left on the screen for long periods of time, especially at a high brightness or contrast setting, the image can be permanently imprinted onto the screen. These types of imprints are not covered by your warranty.

Note on Caption Vision

This television receiver provides display of television closed captioning in accordance with \$15.119 of the FCC rules.

Note on Convergence Adjustment

Before you use your projection TV, make sure to adjust convergence. For details, see "Adjusting the Convergence Automatically (Flash Focus)" on page 44.

Note to CATV System Installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code (NEC) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Use of this television receiver for other than private viewing of programs broadcast on UHF or VHF or transmitted by cable companies for the use of the general public may require authorization from the broadcaster/cable company and/or program owner.

NOTIFICATION

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Increase the separation between the equipment and receiver.
 Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 Consult the dealer or an experienced radio/TV technician for help.

Reorient or relocate the receiving antennas.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Safety

- Operate the projection TV only on 120 V AC.
- The plug is designed, for safety purposes, to fit into the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- If any liquid or solid object should fall inside the cabinet, unplug the projection TV immediately and have it checked by qualified service personnel before operating it further.
- If you will not be using the projection TV for several days, disconnect the power by pulling the plug itself. Never pull on the cord.
- For details concerning safety precautions, see "Important Safeguards" on page 3.

Installing

To prevent internal heat buildup, do not block the ventilation
openings.

- Do not install the projection TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.
 Avoid operating the projection TV at temperatures below 5°C
 - Avoid operating the projection TV at temperatures below 5° C (41°F).
- If the projection TV is transported directly from a cold to a warm location, or if the room temperature changes suddenly, the picture may be blurred or show poor color due to moisture condensation. In this case, please wait a few hours to let the moisture evaporate before turning on the projection TV
- To obtain the best picture, do not expose the screen to direct illumination or direct sunlight. It is recommended to use spot lighting directed down from the ceiling or to cover the windows that face the screen with opaque drapery. It is desirable to install the projection TV in a room where the floor and walls are not of a reflective material.



As an Energy Star® Partner, Sony has determined that this product meets the Energy Star® guidelines for energy efficiency.

ENERGY STAR® is a U.S. registered mark.

CAUTION

How to reduce the risk of "Image Retention" on your Projection TV

Bright, stationary images such as TV station logos displayed on your TV can cause permanent damage to your TV, resulting in retention of the image in the picture. Please take the following steps to reduce the risk of causing image retention:

View a variety of program sources or programming material.

Image retention can occur when bright stationary images such as TV station logos are viewed. Changing the program material viewed reduces the possibility that a single image will become imprinted on the picture tubes in your TV.

When viewing programs with stationary images, adjust the picture setting to reduce the "Picture" and "Brightness" levels. Image retention is accelerated by higher "Brightness" and higher "Picture" settings.

Please see page 72 for instructions on adjusting picture settings.

This will help you reduce the risk of causing image retention.

IMAGE RETENTION IS NOT COVERED BY YOUR WARRANTY

Trademark Information

TruSurround and the **()** symbol are trademarks of SRS Labs, Inc. TruSurround technology is incorporated under license from SRS Labs, Inc.

BBE and BBE Symbol are trademarks of BBE Sound, Inc. and are licensed by BBE Sound, Inc. under U.S. Patent No. 4,638,258 and 4,482,866.

Steady Sound, Digital Reality Creation, Caption Vision, CineMotion, Memory Stick, and Twin View are registered trademarks of Sony Corporation. ClearEdge VM, HD Detailer, and Uniform Brightness Screen are trademarks of Sony Corporation.

Owner's Record

The model and serial numbers are located at the rear of the projection TV, below the Sony logo, on the sticker, and also on the TV box (white label). Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No.		
Serial No.		

IMPORTANT SAFEGUARDS

For your protection, please read these instructions completely, and keep this manual for future reference.

Carefully observe and comply with all warnings, cautions and instructions placed on the set or described in the operating instructions or service manual.

WARNING

To guard against injury, the following basic safety precautions should be observed in the installation, use and servicing of the set.

Use

Power Sources

This set should be operated only from the type of power source indicated on the serial/model plate. If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company. For those sets designed to operate from battery power, refer to the operating instructions.



Grounding or Polarization

This set is equipped with a polarized AC power cord plug (a plug having one blade wider than the other), or with a three-wire grounding type plug (a plug having a third pin for grounding). Follow the instructions below:

For the set with a polarized AC power cord plug

This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing



insert the plug it life in the dude, the reversing the plug. If the plug still fails to fit, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the polarized plug by forcing it in.

For the set with a three-wire grounding type AC plug

This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the grounding plug.



Overloading

Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.



Always turn the set off when it is not being used. When the set is left unattended and unused for long periods of time, unplug it from the wall outlet as a precaution against the possibility of an internal malfunction that could create a fire hazard.



If a snapping or popping sound from a TV set is continuous or frequent while the TV is operating, unplug the TV and consult your dealer or service technician. It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off.



Object and Liquid Entry

Never push objects of any kind into the set through the cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the set.



Cleaning

Clean the cabinet of the projection TV with a dry soft cloth. To remove dust from the screen, wipe it gently with a soft cloth. Stubborn stains may be removed with a cloth slightly dampened with a solution of mild soap and warm water. Never



use strong solvents such as thinner or benzine for cleaning.

If the picture becomes dark after using the projection TV for a long period of time, it may be necessary to clean the inside of the projection TV. Consult qualified service personnel.

Attachments

Do not use attachments not recommended by the manufacturer, as they may cause hazards.

Installation

Accessories

Water and Moisture

Do not use power-line operated sets near water — for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.



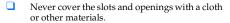
Do not place the set on an unstable cart, stand, table or shelf. The set may fall, causing serious injury to a child or an adult and serious damage to the set. Use only a cart or stand recommended by Sony for the specific model of TV. No part of the TV set should overhang any edge of the TV cart or stand; any overhanging edge is a safety hazard. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

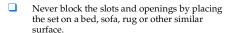


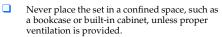


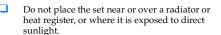
Ventilation

The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of the set, and to protect it from overheating, these slots and openings must never be blocked or covered.















Power-Cord Protection

Do not allow anything to rest on or roll over the power cord, and do not place the set where the power cord is subject to wear or abuse.



Antennas

Outdoor Antenna Grounding

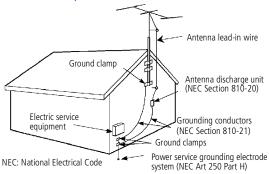
If an outdoor antenna is installed, follow the precautions below. An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits.

WHEN INSTALLING AN OUTDOOR ANTENNA SYSTEM, EXTREME CARE SHOULD BE TAKEN TO KEEP FROM CONTACTING SUCH POWER LINES OR CIRCUITS AS CONTACT WITH THEM IS ALMOST INVARIABLY FATAL.

Be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

Section 810 of the National Electrical Code (NEC) in USA and Section 54 of the Canadian Electrical Code in Canada provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Antenna Grounding According to the National Electrical Code, ANSI/NFPA 70



Lightning

For added protection for this television receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the receiver due to lightning and power-line surges.

Service

Damage Requiring Service

Unplug the set from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power cord or plug is damaged or frayed.
- If liquid has been spilled into the set.
- If the set has been exposed to rain or water.
- If the set has been subject to excessive shock by being dropped, or the cabinet has been damaged.
- If the set does not operate normally when following the operating instructions. Adjust only those controls that are specified in the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the set to normal operation.
- When the set exhibits a distinct change in performance, it indicates a need for service.

Servicing

Do not attempt to service the set yourself since opening the cabinet may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.



Replacement Parts

When replacement parts are required, be sure the service technician certifies in writing that he has used replacement parts specified by the manufacturer that have the same characteristics as the original parts.



Unauthorized substitutions may result in fire, electric shock or other hazards.

Safety Check

Upon completion of any service or repairs to the set, ask the service technician to perform routine safety checks (as specified by the manufacturer) to determine that the set is in safe operating condition, and to so certify. When the set reaches the end of its useful life, improper disposal could result in a picture tube implosion. Ask a qualified service technician to dispose of the set.



For Safety

Be careful when moving the projection TV

When you place the projection TV in position, be careful not to drop it on your foot or fingers.

Watch your footing while installing the projection TV.



Carry the projection TV in the specified manner

If you carry the projection TV in a manner other than the specified manner and without the specified number of persons, it may drop and a serious injury may be caused. Be sure to follow the instructions mentioned below.

- Carry the projection TV with the specified number of persons (see "Carrying Your Projection TV" on page 12).
- Do not carry the projection TV holding the speaker grill.
- Hold the projection TV tightly when carrying it.

The projection TV includes handles that you can use to carry the unit.

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Introducing the Projection TV

Welcome

Thank you for purchasing the Sony Projection TV. This manual is to be used with the following models:

- KP-57WV600
- KP-65WV600
- KP-57WV700
- KP-65WV700

Package Contents

Along with your new projection TV, the package contains a remote control and two AA batteries. No additional cables are included. These items are all you need to set up and operate the projection TV in its basic configuration.

Most components (VCRs, DVD players, etc.) come with the necessary cables to connect them. If you want to set up a complex system, you may need to buy extra cables, connectors, etc. Be sure to have these on hand before you start to connect your system.

Features

Some of the features that you will enjoy with your new TV include:

- **Wide Screen Mode:** Watch conventional 4:3 aspect ratio broadcasts in wide screen (16:9) mode.
- □ DRC[®] (Digital Reality Creation) Multifunction V1: Unlike conventional line doublers, the DRC Multifunction feature replaces the signal's NTSC waveform with the near-HD equivalent, while doubling the number of vertical and horizontal lines. This results in four times the density for quality sources, such as DVD, satellite, and digital camcorders. The Video Menu allows you to select interlaced, progressive, or CineMotion[™] output. The DRC Palette option lets you customize the level of detail (Reality) and smoothness (Clarity) to create up to three custom palettes.
- Scrolling Index: Lets you preview and select programs from a scrolling index of video pictures.
- □ **Favorite Channels**: Allows you to preview and select from eight of your favorite channels.

- Twin View[™]: Using the Multi-Image Driver (MIDX), Twin View allows you to watch two programs side by side, with the ability to zoom in one picture. You can watch pictures from two different sources (1080i, 720p, 480p, and 480i) simultaneously. (Only the left Twin View window can display 1080i, 720p, and 480p sources.)
- ClearEdge VM[™] Velocity Modulation: Sharpens picture definition by enhancing vertical lines.
- Uniform Brightness Screen[™] (*KP-57/65WV700 only*): Special optical technology expands the vertical viewing angle to nearly double that of other rear projection televisions.
- Steady Sound[®]: Equalizes volume levels so there is consistent output between programs and commercials.
- Memory Stick® Picture Viewer: Allows you to view on your TV screen digital images that are stored on Memory Stick media.
- **Component Video Inputs:** Offers the best video quality for DVD (480p, 480i), and digital set-top box (HD1080i, 720p) connections.
- □ HD Detailer[™]: Wideband video amplifier has a high bandwidth frequency rating, which allows it to send more video information to the screen, resulting in finer picture quality, especially for HD sources.
- CineMotion[™]: Reverse 3-2 pulldown processing provides optimal picture quality for film-based sources (media originally shot in 24 frames-per-second format).
- **Parental Control:** V-Chip technology allows parents to block unsuitable programming from younger viewers.
- Digital Visual Interface (DVI): Can accommodate a copyprotected digital connection (HDCP*) to other devices (such as digital set-top boxes) that have compatible interfaces. The DVI-HDTV input terminal is compliant with the EIA-861 standard and is not intended for use with personal computers.

^{*}High-bandwidth Digital Content Protection

Setting Up the TV

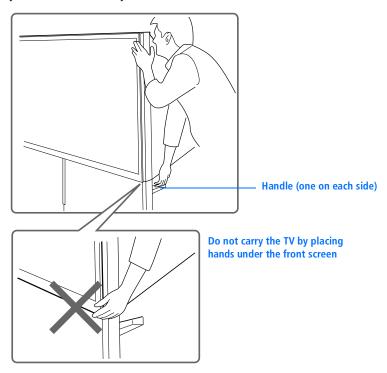
Overview

This chapter includes illustrated instructions for setting up your TV.

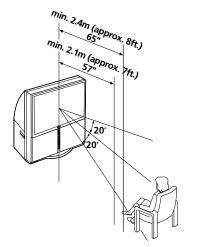
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Carrying Your Projection TV

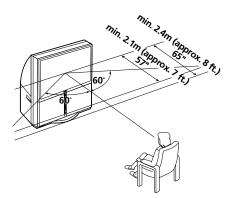
Carrying the TV requires four or more people. The TV is equipped with casters for easy movement on a hard surface. Be sure to move your projection TV using the casters. The TV includes handles that you can use to carry the unit.



Installing the TV



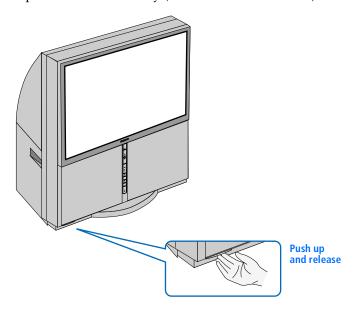
Recommended Vertical Viewing Angle



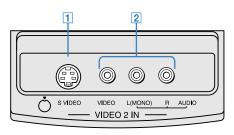
Recommended Horizontal Viewing Angle

TV Controls and Connectors

To access the front video panel, push up and then release. The panel drops down automatically (KP-57/65WV700 shown).

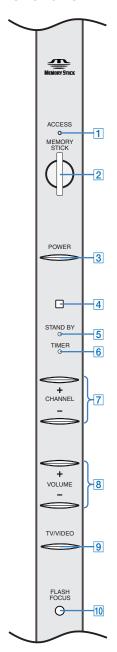


Front Video Controls



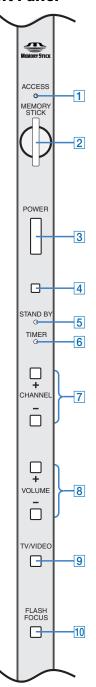
- 1 S VIDEO VIDEO 2 INPUT
- Connects to the S VIDEO OUT jack on your camcorder or other video equipment that has S VIDEO. Provides better picture quality than composite video (2).
- 2 VIDEO/L(MONO)-AUDIO-R VIDEO 2 INPUT
- Connects to the composite A/V output jacks on your camcorder or other video equipment.

KP-57/65WV600 Front Panel



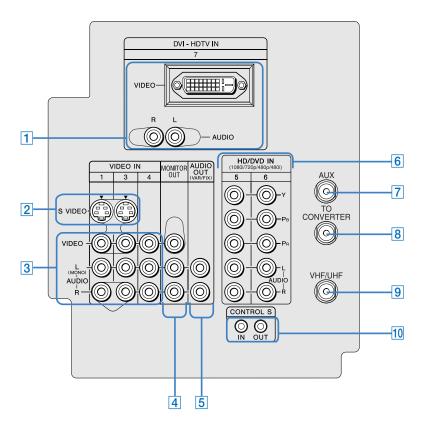
Item	Description
1 MEMORY STICK ACCESS LED	When lit, indicates that the Memory Stick is being read. (Do not remove the Memory Stick when the indicator is lit.)
2 MEMORY STICK	Memory Stick insertion slot. For details, see "Inserting and Removing a Memory Stick" on page 66.
3 POWER	Press to turn on and off the TV.
4 Infrared Receiver (IR)	Receives IR signals from the TV's remote control.
5 STAND BY LED	Blinks when the TV is turned on, then shuts off when the picture is displayed. If the LED blinks continuously, this may indicate the TV needs service (see "Contacting Sony" on page 90).
6 TIMER LED	When lit, indicates one of the timers is set. When the timer is set, this LED will remain lit even if the TV is turned off. For details, see page 84.
7 -CHANNEL+	Press to scan through channels. To scan quickly through channels, press and hold down either CHANNEL button.
8 -VOLUME +	Press to adjust the volume.
9 TV/VIDEO	Press repeatedly to cycle through the video equipment connected to the TV's video inputs.
10 FLASH FOCUS	Press to adjust the convergence (see page 44).

KP-57/65WV700 Front Panel



Item	Description
1 MEMORY STICK ACCESS LED	When lit, indicates that the Memory Stick is being read. (Do not remove the Memory Stick when the indicator is lit.)
2 MEMORY STICK	Memory Stick insertion slot. For details, see "Inserting and Removing a Memory Stick" on page 66.
3 POWER	Press to turn on and off the TV.
4 Infrared Receiver (IR)	Receives IR signals from the TV's remote control.
5 STAND BY LED	Blinks when the TV is turned on, then shuts off when the picture is displayed. If the LED blinks continuously, this may indicate the TV needs service (see "Contacting Sony" on page 90).
6 TIMER LED	When lit, indicates one of the timers is set. When the timer is set, this LED will remain lit even if the TV is turned off. For details, see page 84.
7 -CHANNEL+	Press to scan through channels. To scan quickly through channels, press and hold down either CHANNEL button.
8 -VOLUME +	Press to adjust the volume.
9 TV/VIDEO	Press repeatedly to cycle through the video equipment connected to the TV's video inputs.
10 FLASH FOCUS	Press to adjust the convergence (see page 44).

Rear Panel



Jack	Description
1 DVI-HDTV VIDEO AUDIO R/L (VIDEO 7 IN)	Can accommodate a copy-protected digital connection (HDCP*) to other devices (such as digital set-top boxes) that have compatible interfaces. The DVI-HDTV input terminal is compliant with the EIA-861 standard and is not intended for use with personal computers. See the instruction manual that came with your equipment for details about connecting and using it with the TV.
2 S VIDEO IN 1/3	Connects to the S VIDEO OUT jack of your VCR or other video equipment that has S VIDEO. S VIDEO provides better picture quality than either composite video (3) or VHF/UHF (9) connections.
3 VIDEO IN 1/3/4 VIDEO/L(MONO) -AUDIO-R	Connect to the composite A/V output jacks on your VCR or other video component. A fourth component A/V input jack (VIDEO 2) is located on the front panel of the TV. These video connections provide better picture quality than the VHF/UHF (9) connections.
4 MONITOR OUT	Lets you record the program you are watching to a VCR. When two VCRs are connected, you can use the TV as a monitor for tape-to-tape editing (not available with 480p, 720p, or 1080i when the input is set to VIDEO 5-7).
5 AUDIO OUT (VAR/FIX) L (MONO)/R	Connects to the left and right audio input jacks of your audio or video equipment. You can use these outputs to listen to your TV's audio through your stereo system.
6 HD/DVD IN 5/6 (1080i/720p/480p/480i)	Connect to your DVD player's or digital set-top box's component video (Y, PB, PR) and audio (L/R) jacks. Component video provides better picture quality than 2, 3, or 9).
7 AUX	Auxiliary RF input that connects to your antenna, CATV cable, or cable box output jack. This is convenient if you are using two VHF/UHF sources (antenna, CATV cable, or cable box). For details, see pages 20 to 23.
8 TO CONVERTER	Connects to your cable box input jack. This VHF/UHF output jack lets you set up your TV to switch between scrambled channels (coming through a cable box) and unscrambled cable channels. Use this jack instead of a splitter to get better picture quality when you need to switch between scrambled and unscrambled cable channels. For details, see pages 22 to 23.
9 VHF/UHF	Primary RF input that connects to your VHF/UHF antenna or cable.
10 CONTROL S IN/OUT	Allows the TV to receive (IN) and send (OUT) remote control signals to other Sony infrared-controlled audio or video equipment that has the CONTROL S function.

^{*}High-bandwidth Digital Content Protection

Basic Connections: Connecting a Cable or Antenna

The way in which you will connect your TV varies, depending on how your home receives a signal (cable, cable box, antenna) and whether or not you plan to connect a VCR.

If Y	ou Are Connecting	See Page	
Cab	le or Antenna Only	19	
	No cable box or VCR		
Cab	le and Antenna Only	20	
	No cable box or VCR		
Cable Box and Cable Only		22	
	Cable box unscrambles only some channels (usually premium channels)		
	No VCR		
Cable Box Only		24	
	Cable box unscrambles all channels		
	No VCR		

If you are connecting a VCR

See the connections described on pages 26 and 28.

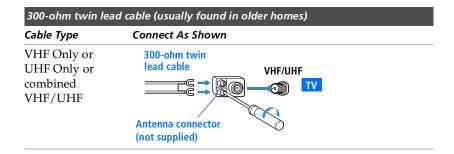
Cable or Antenna Only

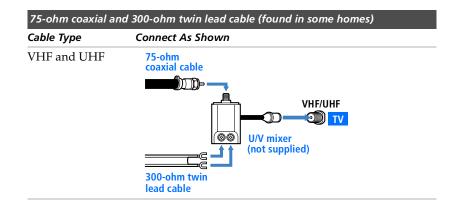
For best results, use one of the following connections if you are connecting a cable or an antenna and you:

- □ Do not need a cable box to unscramble channels. (If you have a cable box, see pages 22-24.)
- □ Do not intend to connect a VCR. (If you have a VCR, see pages 26 and 28.)

The connection you choose depends on the cable type you have in your home, as described below.

75-ohm coaxial cable (usually found in newer homes)		
Cable Type	Connect As Shown	
VHF Only or combined VHF/UHF or Cable	75-ohm VHF/UHF coaxial cable	

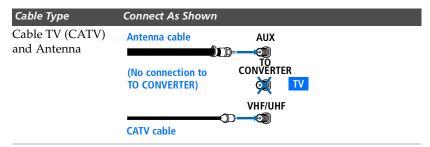




Cable and Antenna Only

For best results, use this connection if you:

- Have a cable and an antenna.
 (This is convenient if you are using a separate rooftop antenna to receive additional channels that are not provided by your cable company.)
- Do not have a cable box or VCR. (If you have a cable box, see pages 22 to 24. If you have a VCR, see pages 26 and 28.)



About Using This Connection with Dual Picture (Twin View, etc.) Features

With this connection, you cannot view antenna channels in the right dual picture window.

To Do This	Do This
Switch the TV's input between the cable and antenna	Press ANT to switch back and forth between the TV's VHF/UHF and AUX inputs.
Receive channels using an antenna, instead of the cable	 Press ANT to switch to the AUX input. Set the Cable option to Off. For details, see "Selecting Channel Options" on page 78. Run the Auto Setup program, as described in "Using Auto Setup" on page 43.

Cable Box and Cable Only

For best results, use this connection if:

- Your cable company scrambles some channels, such as premium channels (which requires you to use a cable box), but does not scramble all channels.
- ☐ You do not have a VCR. (If you have a VCR, see pages 26 and 28.)

With this connection you can:

- □ Use the TV remote control to change channels coming through the cable box to the TV's AUX input jack. (You must first program the remote control for your specific cable box; see "Programming the Remote Control" on page 51.)
- Use the TV remote control to change channels coming directly into the TV's VHF/UHF input. (The TV's tuner provides a better signal than the cable box.)

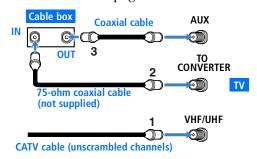
About Using This Connection with Dual Picture (Twin View, etc.) Features

With this connection, you can use all the dual picture features for unscrambled channels coming directly into the TV's VHF/UHF input jack.

However, you can use only some of the dual picture features for channels coming through the cable box to the TV's AUX input jack. For example, when you switch the TV's input to AUX — to select the cable box input — the picture displays only in the left window. For example, if you turn on Twin View, you can watch cable channels coming into the VHF/UHF jack in the right window, but you cannot swap the pictures between the left and right windows.

To connect the cable box and cable

- 1 Connect the cable from your cable company to the TV's VHF/UHF jack.
- Use a coaxial cable to connect the TV's TO CONVERTER jack to the cable box's input jack. (The TV's internal converter lets you switch between unscrambled signals coming straight into the TV and scrambled signals coming in through the cable box, eliminating the need for an external splitter.)
- 3 Use a coaxial cable to connect the cable box's output jack to the TV's AUX jack.
- 4 Run the Auto Setup program, as described in "Setting Up the Channel List" on page 43.



To Do This	Do This	
Use the cable box	Tune the TV to the channel the cable box is set to (usually channel 3 or 4) and then use the cable box to switch channels.	
Set up the TV remote control to operate the cable box	Program the remote control. See "Programming the Remote Control" on pages 51-52.	
Activate the remote control to operate the cable box	Press SAT/CABLE FUNCTION.	
Prevent the accidental switching of TV channels	When using the cable box, you need the TV to stay on the channel the cable box is set to (usually channel 3 or 4). You can use the TV's Channel Fix feature to lock in a specific channel. For details, see "Using the Channel Menu" on page 78.	
Switch the TV's input between the cable box and cable	Press ANT to switch back and forth between the TV's VHF/UHF (unscrambled channels) and AUX (scrambled) inputs.	

Cable Box Only

For best results, use this connection if:

- Your cable company scrambles all channels, which requires you to use a cable box.
- ☐ You do not have a VCR. (If you have a VCR, see pages 26 and 28.)

With this connection you can:

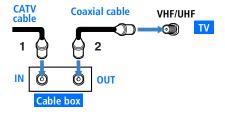
☐ Use the TV remote control to change channels coming through the cable box to the TV's VHF/UHF jack. (You must first program the remote control for your specific cable box.)

About Using This Connection with Dual Picture (Twin View, etc.) Features

With this connection, all channels come into the TV through your cable box and only one unscrambled signal is sent to the TV, so you cannot use the dual picture features. If some of your channels are scrambled, but others are not, consider using the "Cable Box and Cable" connection on page 22 instead.

To connect the cable box

- 1 Connect the CATV cable to the cable box's input jack.
- 2 Use a coaxial cable to connect the cable box's output jack to the TV's VHF/UHF jack.
- 3 Run the Auto Setup program, as described in "Setting Up the Channel List" on page 43.



To Do This	Do This
Use the cable box	Tune the TV to the channel the cable box is set to (usually channel 3 or 4) and then use the cable box to switch channels.
Set up the TV remote control to operate the cable box	Program the remote control. See "Programming the Remote Control" on pages 51-52.
Activate the remote control to operate the cable box	Press SAT/CABLE FUNCTION.
Prevent the accidental switching of TV channels	When using the cable box, you need the TV to stay on the channel the cable box is set to (usually channel 3 or 4). You can use the TV's Channel Fix feature to lock in a specific channel. For details, see "Using the Channel Menu" on page 78.

Connecting Optional Equipment

Use the directions in this section to connect the following optional equipment:

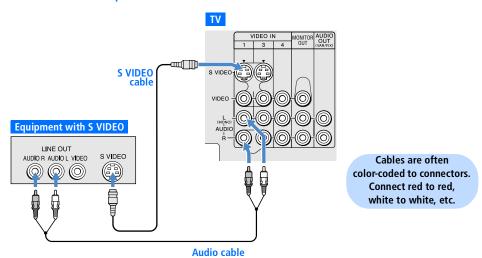
If You Are Connecting	See Page
VCR and Cable	26
VCR and Cable Box	28
Two VCRs for Tape Editing	30
Satellite Receiver	32
Satellite Receiver and VCR	34
DVD Player with Component Video Connectors	36
DVD Player with S VIDEO and Audio Connectors	38
Camcorder	40
Audio Receiver	41

About Using S VIDEO



If the optional equipment you are connecting has an S VIDEO jack (shown at left), you can use an S VIDEO cable for improved picture quality (compared to an A/V cable). Because S VIDEO carries only the video signal, you also need to connect audio cables for sound, as shown below.

Example of an S VIDEO Connection



VCR and Cable

For best results, use this connection if:

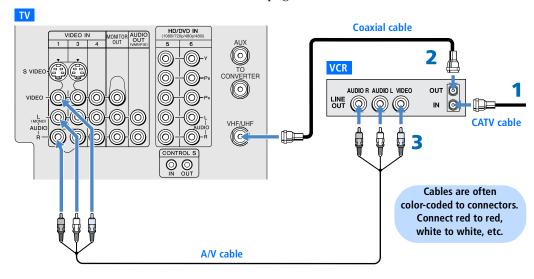
☐ Your cable company does not require you to use a cable box.

About Using This Connection with Dual Picture (Twin View, etc.) Features

With this connection, you can use all the dual picture features.

To connect the VCR and cable

- 1 Connect the CATV cable to the VCR's VHF/UHF input jack.
- 2 Use a coaxial cable to connect the VCR's VHF/UHF output jack to the TV's VHF/UHF jack.
- 3 Use an A/V cable to connect the VCR's A/V output jacks to the TV's A/V input jacks.
- 4 Run the Auto Setup program, as described in "Setting Up the Channel List" on page 43.





To Do This	Do This
Watch the VCR	Press TV/VIDEO repeatedly to select the VCR input (VIDEO 1 in the illustration).
Watch cable channels	Press TV/VIDEO repeatedly to select the cable input (VHF/UHF in the illustration).
Set up the TV remote control to operate the VCR	If you have a non-Sony VCR, you must program the remote control. See "Programming the Remote Control" on pages 51-52.
Activate the TV remote control to operate the VCR	Open the outside cover, as shown on page 50. Then set the A/V slide switch to the position you programmed for the VCR.
Control VCR functions with the TV remote control	See "Operating a VCR" on page 53.
Label video inputs to easily identify equipment connected to the TV	See the instructions for setting up Video Labels on pages 83-84.

VCR and Cable Box

For best results, use this connection if:

Your cable company scrambles some channels, such as premium channels (which requires you to use a cable box), but does not scramble all channels.

About Using This Connection with Dual Picture (Twin View, etc.) Features

With this connection, you can use all the dual picture features.

With this connection you can:

- □ Use the TV remote control to change channels coming through the cable box. (You must first program the remote control for your specific cable box; see "Programming the Remote Control" on page 51.)
- ☐ Use the TV remote control to change channels coming directly into the TV's VHF/UHF jack. (The TV's tuner provides a better signal than the cable box.)
- Record channels coming through the cable box and channels coming directly into the TV.

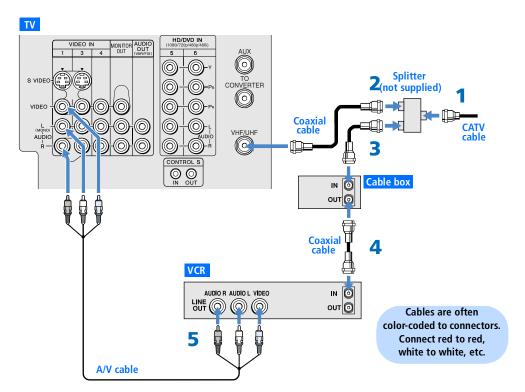
To connect a VCR and cable box, you need:

- A splitter, which is a small, inexpensive device that you can purchase at your local electronics store.
- ☐ Three coaxial cables.
- One A/V cable or one S VIDEO cable with audio cables.

To connect the VCR and cable box

- 1 Connect the CATV cable to the single (input) jack of the splitter.
- 2 Use a coaxial cable to connect one of the splitter's two output jacks to the TV's VHF/UHF jack.
- 3 Use a coaxial cable to connect the splitter's other output jack to the cable box's input jack.
- 4 Use a coaxial cable to connect the cable box's output jack to the VCR's RF input jack.
- 5 Use an A/V cable to connect the VCR's A/V output jacks to the TV's A/V input jacks.
- 6 Run the Auto Setup program, as described in "Setting Up the Channel List" on page 43.





Notes on Using This Connection	
To Do This	Do This
Watch cable (unscrambled) channels	Press TV/VIDEO repeatedly to select the cable input (UHF/VHF in the illustration).
Watch cable box (scrambled) channels	Turn on the VCR and tune it to the channel the cable box is set to (usually channel 3 or 4). Press TV/VIDEO repeatedly to select the VCR input (VIDEO 1 in the illustration). Use the cable box to change channels.
Watch the VCR	Press TV/VIDEO repeatedly to select the VCR input (VIDEO 1 in the illustration).
Set up the TV remote control to operate the cable box or VCR	If you have a non-Sony VCR, you must program the remote control. See "Programming the Remote Control" on pages 51-52.
Activate the remote control to operate the cable box or VCR	For the cable box, press SAT/CABLE FUNCTION. For the VCR, open the outside cover, as shown on page 50. Then set the A/V slide switch to the position you programmed for the VCR.
Control specific cable box and VCR functions with the TV remote control	See "Operating a Cable Box" on page 54 and "Operating a VCR" on page 53.
Label video inputs to easily identify equipment connected to the TV	See the instructions for setting up Video Labels on pages 83-84.

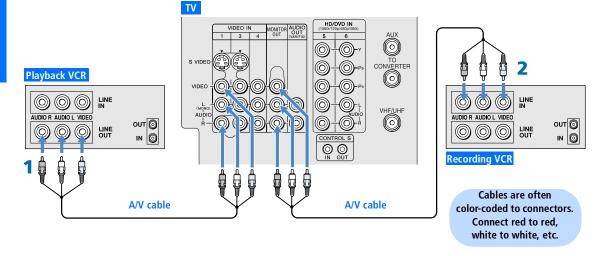
Two VCRs for Tape Editing



Connecting two VCRs lets you record from one VCR to the other. By connecting them as shown below, you can view (monitor) what is being recorded.

To connect two VCRs for tape editing

- 1 Use an A/V cable to connect the playback VCR's A/V output jacks to the TV's A/V input jacks.
- 2 Use an A/V cable to connect the recording VCR's A/V input jacks to the TV's MONITOR OUT jacks.



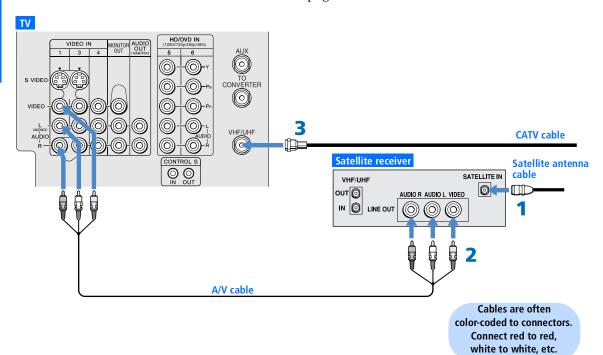
To Do This	Do This
View (monitor) what is being recorded	Press TV/VIDEO repeatedly to select the VCR input (VIDEO 1 in the illustration above).
Set up the TV remote control to operate the VCR(s)	If you have a non-Sony VCR, you must program the remote control. See "Programming the Remote Control" on pages 51-52.
Activate the TV remote control to operate the VCR(s)	Open the outside cover, as shown on page 50. Then set the A/V slide switch to the position you programmed for the VCR.
Control VCR functions with the TV remote control	See "Operating a VCR" on page 53.
Label video inputs to easily identify equipment connected to the TV	See the instructions for setting up Video Labels on pages 83-84.

Satellite Receiver



To connect a satellite receiver

- 1 Connect the satellite antenna cable to the satellite receiver's satellite input jack.
- 2 Use an A/V cable to connect the satellite receiver's A/V output jacks to the TV's A/V input jacks.
- 3 Connect a CATV cable from your cable or antenna to the TV's VHF/UHF jack.
- 4 Run the Auto Setup program, as described in "Setting Up the Channel List" on page 43.



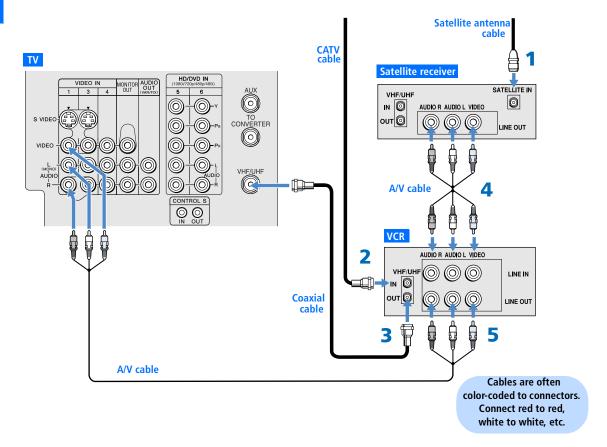
To Do This	Do This
Watch the satellite receiver	Press TV/VIDEO repeatedly to select the satellite receiver input (VIDEO 1 in the illustration).
Set up the TV remote control to operate the satellite receiver	If you have a non-Sony satellite receiver, you must program the remote control. See "Programming the Remote Control" on pages 51-52.
Activate the TV remote control to operate the satellite receiver	Press SAT/CABLE FUNCTION.
Control satellite receiver functions with the TV remote control	See "Operating a Satellite Receiver" on page 53.
Label video inputs to easily identify equipment connected to the TV	See the instructions for setting up Video Labels on pages 83-84.

Satellite Receiver and VCR



To connect a satellite receiver and VCR

- 1 Connect the satellite antenna cable to the satellite receiver's satellite input jack.
- 2 Connect the CATV cable to the VCR's VHF/UHF input jack.
- 3 Use a coaxial cable to connect the VCR's VHF/UHF output jack to the TV's VHF/UHF jack.
- 4 Use an A/V cable to connect the satellite receiver's A/V output jacks to the VCR's A/V input jacks.
- 5 Use an A/V cable to connect the VCR's A/V output jacks to the TV's A/V input jacks.
- 6 Run the Auto Setup program, as described in "Setting Up the Channel List" on page 43.



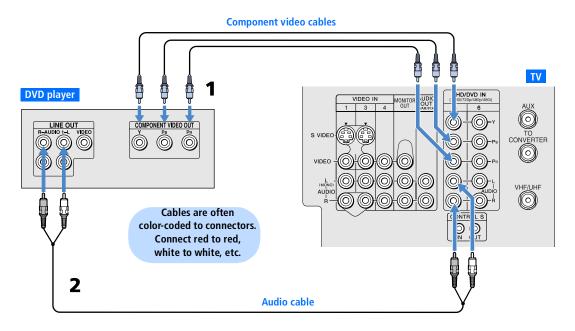
,	
To Do This	Do This
Watch the satellite receiver	Press TV/VIDEO repeatedly to select the VCR input (VIDEO 1 in the illustration).
	The VCR may need to be turned on and set to the satellite receiver input.
Watch the VCR	Press TV/VIDEO repeatedly to select the input to which the VCR is connected (VIDEO 1 in the illustration).
Set up the TV remote control to operate the satellite receiver or VCR	If you have a non-Sony VCR or satellite receiver, you must program the remote control. See "Programming the Remote Control" on pages 51-52.
Activate the TV remote control to operate the satellite receiver or VCR	For the satellite receiver, press SAT/CABLE FUNCTION. For the VCR, open the outside cover, as shown on page 50. Then set the A/V slide switch to the position you programmed for the VCR.
Control satellite receiver and VCR functions with the TV remote control	See "Operating a Satellite Receiver" on page 53 and "Operating a VCR" on page 53.
Label video inputs to easily identify equipment connected to the TV	See the instructions for setting up Video Labels on pages 83-84.

DVD Player with Component Video Connectors

For best results, use this connection if your DVD player has component video (Y, PB, PR) jacks.

To connect a DVD player with component video connectors

- 1 Use a component video cable, or three composite video cables, to connect the DVD player's Y, PB and PR jacks to the Y, PB and PR jacks (VIDEO 5) on the TV.
 - The Y, PB and PR jacks on your DVD player are sometimes labeled Y, CB and CR, or Y, B-Y and R-Y. If so, connect the cables to like colors.
- 2 Use an audio cable to connect the DVD player's audio output jacks to the TV's VIDEO 5 audio input jacks.



To Do This	Do This
Watch the DVD player	Press TV/VIDEO repeatedly to select the DVD input (VIDEO 5 in the illustration).
Set up the TV remote control to operate the DVD player	If you have a non-Sony DVD player, you must program the remote control. See "Programming the Remote Control" on pages 51-52.
Activate the TV remote control to operate the DVD player	Open the outside cover, as shown on page 50. Then set the A/V slide switch to the position you programmed for the DVD player.
Control DVD functions with the TV remote control	See "Operating a DVD Player" on page 54.
Label video inputs to easily identify equipment connected to the TV	See the instructions for setting up Video Labels on pages 83-84.

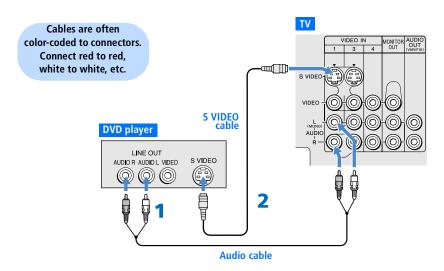
You cannot record the signal from any equipment connected into the Y, PB, PR jacks.

DVD Player with S VIDEO and Audio Connectors

Use this connection if your DVD player does not have component video (Y, PB, PR) jacks.

To connect a DVD player with A/V connectors

- 1 Use an audio cable to connect the DVD player's audio output jacks to the TV's audio input jacks.
- 2 Use an S VIDEO cable to connect the DVD player's S VIDEO jack to the TV's S VIDEO jack.

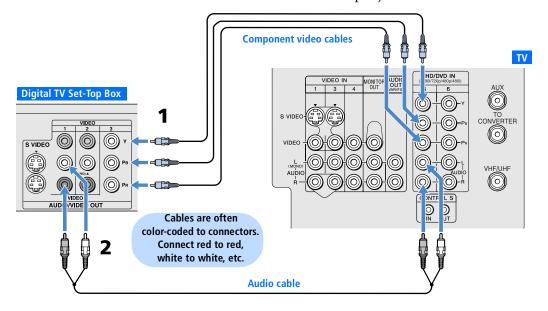


Motes on osing this connection	
To Do This	Do This
Watch the DVD player	Press TV/VIDEO repeatedly to select the DVD input (VIDEO 1 in the illustration).
Set up the TV remote control to operate the DVD player	If you have a non-Sony DVD player, you must program the remote control. See "Programming the Remote Control" on pages 51-52.
Activate the TV remote control to operate the DVD player	Open the outside cover, as shown on page 50. Then set the A/V slide switch to the position you programmed for the DVD player.
Control DVD functions with the TV remote control	See "Operating a DVD Player" on page 54.
Label video inputs to easily identify equipment connected to the TV	See the instructions for setting up Video Labels on pages 83-84.

Digital TV Set-Top Box with Component Video Connectors

To connect a digital TV set-top box with component video connectors

- 1 Use three separate component video cables to connect the DVD player's Y, PB and PR jacks to the Y, PB and PR jacks (VIDEO 5) on the TV.
 - The Y, PB and PR jacks on your DVD player are sometimes labeled Y, CB and CR, or Y, B-Y and R-Y. If so, connect the cables to like colors.
- 2 Use an audio cable to connect the set-top box's audio output jacks to the TV's VIDEO 5 audio input jacks.



Notes on Using This Connection

•	
To Do This	Do This
Watch the digital TV set-top box	Press TV/VIDEO repeatedly to select the digital TV set-top box input (VIDEO 5 in the illustration).
Label video inputs to easily identify equipment connected to the TV	See the instructions for setting up Video Labels on pages 83-84.

You cannot record the signal from any equipment connected into the Y, PB, PR jacks.

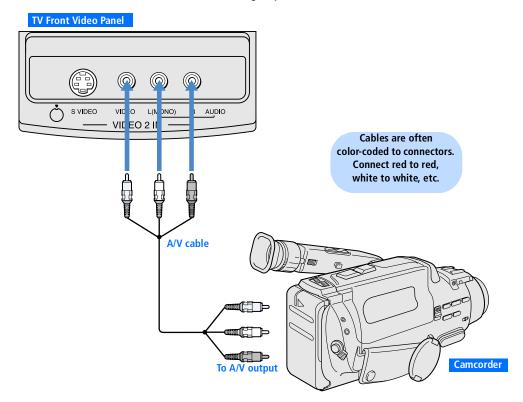
Camcorder



For easy connection of a camcorder, the TV has front A/V input jacks. If you prefer, however, you can connect the camcorder to the TV's rear A/V input jacks.

To connect a camcorder

- 1 Open the front video panel, as shown on page 13.
- 2 Use A/V cables to connect the camcorder's A/V output jacks to the TV's A/V input jacks.



If you have a mono camcorder, connect its audio output jack to the TV's L MONO audio jack.

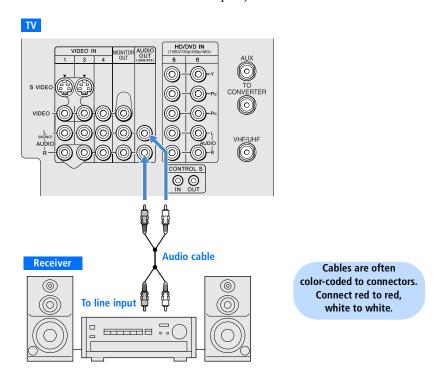
To Do This	Do This
Watch the camcorder	Press TV/VIDEO repeatedly to select the camcorder input (VIDEO 2 in the illustration).
Label video inputs to easily identify equipment connected to the TV	See the instructions for setting up Video Labels on pages 83-84.

Audio Receiver

For improved sound quality, you may want to play the TV's audio through your stereo system.

To connect an audio system

1 Use an audio cable to connect the TV's audio output jacks to the audio receiver's line input jacks.



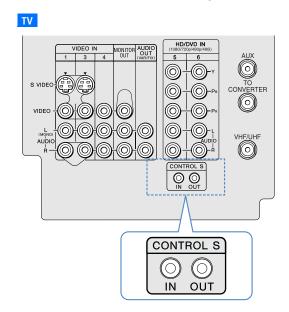
- 2 Using the TV's Audio Menu, set the Speaker option to Off. Then set the Audio Out option to Fixed or Variable, depending on how you want to control the volume. For details, see "Using the Audio Menu" on page 74.
- 3 Turn on the audio receiver, and then set the receiver's line input to the jack into which you connected the TV.

Using the CONTROL S Feature

CONTROL S allows you to control your system and other Sony equipment with one remote control. In addition to allowing you to control multiple devices with one remote control, the CONTROL S feature allows you to always point your remote control at your TV, instead of having to point it at the other equipment, which might be hidden or out of direct line of sight.

Use CONTROL S IN to send signals to the TV.

Use CONTROL S OUT to send signals to connected equipment.



Setting Up the Channel List

After you finish connecting your TV, you need to run Auto Setup to set up your channels. The Auto Setup screen appears when you turn on your TV for the first time after hooking it up. If you do not want to set up the channels at this time, you can do it later by selecting the Auto Program option in the Channel Menu (see page 78).

The Auto Setup feature does not apply for installations that use a cable box for all channel selection.

Using Auto Setup

- 1 Press POWER to turn on the TV.
- 2 Press TV FUNCTION on the remote control.
- 3 To continue running Auto Setup, press CH+. To exit Auto Setup, press CH-.

Auto Setup automatically creates a list of receivable channels. When finished, the lowest numbered channel is displayed.

To reset the TV to factory settings

- 1 Press POWER to turn on the TV.
- 2 Hold down RESET on the remote control.
- 3 Press TV POWER on the TV. (The TV will turn itself off, then back on.)
- 4 Release RESET.

You can also access Flash Focus in the Setup menu. For

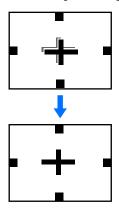
details, see page 85.

Adjusting the Convergence Automatically (Flash Focus)

The projection tube image appears on the screen in three colors (red, green and blue). If they do not converge, the color is poor and the picture blurs. Before you use your TV, be sure to adjust the convergence. The Flash Focus feature allows you to adjust the convergence automatically.

- It is recommended that you perform Flash Focus about 30 minutes after the TV is first turned on.
- 1 Tune to a TV or cable TV program.
- 2 Press the FLASH FOCUS button on the front panel of the TV (see pages 14-15).

The cross pattern appears and Flash Focus begins to work.



The adjustment is completed when the TV picture returns.

To Obtain Optimum Convergence

Whenever you find that the picture blurs, press FLASH FOCUS.

You cannot perform any other functions until Flash Focus has completed its cycle. If you perform any other operation while Flash Focus is in progress, the Flash Focus operation is canceled.

To Perform Additional Fine Manual Adjustments

☐ Use the Convergence feature, described on page 45.

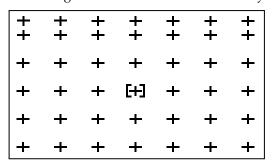
Adjusting the Convergence Manually

For details on using the

Setup Menu, see page 83.

The Convergence feature gives you more control over the picture's convergence than the Flash Focus feature, allowing you to fine-tune the convergence.

- 🖾 Before using the manual Convergence, you must first perform Flash Focus (as described on page 44).
- 1 Press MENU to display the Menu.
- 2 Move the joystick ◆ or → to highlight the Setup icon and press ⊕.
- 3 Move the joystick to highlight Convergence and press 🕀. A pattern of white crosses appears, with a yellow [] around one of the crosses. Aligned crosses (which do not need adjustment) look white and have little or no red or blue showing. Crosses that are not aligned show red or blue shades beyond their edges.



You can scroll up and down through the 9 x 7 field of crosses to manually converge all portions of the screen.

- Using the joystick, move the [] to surround a cross that you want to adjust. Press ①. The [] changes to red.
- If the cross that you selected has red edges, move the joystick until the red image is replaced with a white cross. Once you have finished this (or the cross does not have red edges), press ①. The changes to blue.
- If the cross you selected has blue edges, move the joystick until the blue image is replaced with a white cross. Once you have finished this, press ①. The [] changes to yellow again.
- Repeat steps 4 to 6 to adjust other crosses. When finished, press MENU to exit the Setup Menu.

Notes on Adjusting the Convergence Manually

- ☐ For best results, stand about 3 to 5 feet back from the picture when adjusting the convergence. Begin with the crosses in the center area of the screen and, once those are adjusted, move to the crosses on the edges of the screen.
- ☐ You can make separate adjustments to each wide mode: Full/Normal, Zoom, Wide Zoom, and Memory Stick/1080i high-definition input. (These features share a common convergence mode.) The cross pattern looks different in each of these, but the adjustment procedure is the same. Press the WIDE MODE button on the remote to toggle through the wide mode screens.
- □ To optimize the conditions for convergence adjustment, in the Video Menu, set Mode to Pro or Movie and lower the Picture level settings (see page 72). You can reset the adjustments by pressing the RESET button on the remote control.

Using the Remote Control

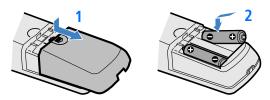
Overview

This chapter describes how to set up, program, and use the TV's remote control.

Торіс	Page
Inserting Batteries	47
Button Descriptions	
Outside Panel	48
Inside Panel	50
Programming the Remote Control	51

Inserting Batteries

- 1 Remove the battery cover from the remote control.
- Insert two size AA (R6) batteries (supplied) by matching the **⊕** and **⊕** terminals on the batteries to the diagram inside the battery compartment.
- **3** Replace the battery cover.



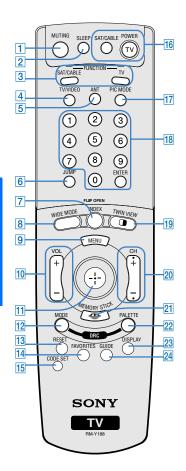
Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.

Handle the remote control with care.

Avoid dropping it, getting it wet, placing it in direct sunlight, near a heater, or where the humidity is high.

Button Descriptions

Outside Panel

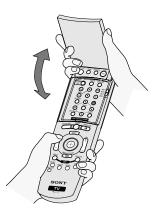


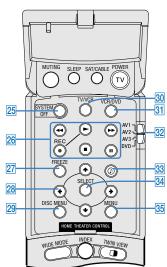
Button	Description
1 MUTING	Press to mute the sound. Press again or press VOL+ to restore the sound.
2 SLEEP	Press repeatedly until the TV displays the time in minutes (15, 30, 45, 60, or 90) that you want the TV to remain on before shutting off automatically. To cancel press until Sleep Off appears. While the Sleep feature is set, press once to display the remaining time.
3 FUNCTION Buttons	The indicator lights up momentarily when pressed to show which equipment the remote control is operating:
	SAT/CABLE: Press to have the remote control operate the satellite receiver or cable box.
	TV: Press to have the remote control operate the TV.
4 TV/VIDEO	Press repeatedly to cycle through the video equipment connected to the TV's video inputs.
5 ANT	Press to switch between the sources connected to the TV's VHF/UHF and AUX inputs.
6 JUMP	Press to jump back and forth between two channels. The TV alternates between the current channel and the last channel that was selected.
7 INDEX	Press to display the Scrolling Index. For details, see page 57.
8 WIDE MODE	Press repeatedly to step through the Wide Mode settings: Wide Zoom, Normal, Full, Zoom. Also available in the Screen menu. For details, see pages 58 and 76.
9 MENU	Press to display the Menu. Press again to exit from the Menu. For details, see page 71.
10 VOL +/-	Press to adjust the volume.
11	Move the joystick ◆◆ ◆ to move the on-screen cursor. To select an item, press the center of the joystick (⊕).
12 DRC MODE	Press repeatedly to cycle through the available high- resolution picture modes: Interlaced, Progressive, CineMotion. Also available in the Video Menu. For details, see "Selecting Video Options" on pages 72-73.
13 RESET	Press to reset the settings to the factory defaults. See pages 72 and 74. Also used to clear Favorite Channels (see page 62).
14 FAVORITES	Press to display the Favorite Channels list. For details, see page 62.

Button	Description
15 CODE SET	Press to program the remote control to operate non- Sony video equipment. For details, see "Programming the Remote Control" on page 51.
16 POWER Buttons	SAT/CABLE*: Press to turn on and off the satellite receiver or cable box.
	TV: Press to turn on and off the TV.
17 PIC MODE	Press repeatedly to cycle through the available video picture modes: Vivid, Standard, Movie, Pro. Also available in the Video Menu. For details, see "Selecting Video Options" on pages 72-73.
18 0 - 9 ENTER	Press 0 - 9 to select a channel; the channel changes after 3 seconds. Press ENTER to change channels immediately.
19 TWIN VIEW	Press to turn on and off Twin View. For details, see pages 59-61.
20 CH +/-	Press to scan through channels. To scan quickly through channels, press and hold down either CH button.
21 MEMORY STICK	Press to display the Memory Stick Menu. For details, see "Using the Memory Stick Picture Viewer" on page 64.
22 DRC PALETTE	Press repeatedly to cycle through the three Custom DRC Palette options. Also available in the Video Menu. For details, see "Selecting Video Options" on pages 72-73.
23 DISPLAY	Press once to display the current channel number, current time, and channel label (if set). Press again to turn Display off.
24 GUIDE*	Press to display the program guide of your satellite program provider.

^{*} Requires that you first program the remote control (page 51), if not Sony brand.

Inside Panel





To access the inside panel, open the outside cover as shown.

Dening the outside cover automatically switches the remote control to operate your VCR or DVD player, depending on the position of the A/V slide switch. For details, see page 51.

VCR and DVD buttons require that you first program the remote (page 51), if the VCR and DVD player are not Sony brand.

Button	Description
25 SYSTEM OFF	Press to turn off all Sony brand audio/video equipment
	at once. (May not function with older Sony equipment.)
26 Transport	Rewind
Buttons	► Play
	Record (press together with >)
	Stop
	>> Fast forward
	■ Pause
27 FREEZE	Press to freeze the picture. Press again to restore the
	picture. For details, see "Using the Freeze Function" on
	page 63.
28 ★▼ ◆ →	Press ◆◆ ◆ ◆ to move the VCR or DVD player's on-
	screen cursor.
29 DISC MENU	Press to display the DVD Menu.
30 TV/VCR	Press to change to the VHF/UHF output of the VCR.
31 VCR/DVD	Press to turn on and off the VCR or DVD player.
32 AV1/2/3/DVD	Use the A/V slide switch to control connected video
Slide Switch	equipment. You can program one video source for each
	switch position. For details, see "Programming the
	Remote Control" on page 51.
33 ①	Press repeatedly to step through the Audio Effect
_	options. Also available in the Audio Menu. For details,
	see page 74.
34 SELECT	Press to select an item in the VCR or DVD player's
	menu.
35 MENU	Press to display the DVD player setup menu.

Programming the Remote Control

The remote control is preset to operate Sony brand video equipment.

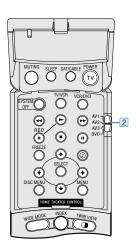
Sony Equipment	Switch Position on Remote Control	Programmable Code Number
Beta, Ed Beta VCRs	AV1	303
8 mm VCR	AV2	302
VHS VCR	AV3	301
DVD player	DVD	751

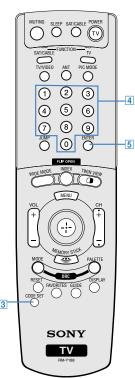
If you have video equipment other than Sony brand that you want to control with the TV's remote control, use the following procedure to program the remote control.

- In the equipment must have infrared (IR) remote capability in order to be used with the remote control.
- 1 Turn to the list of "Manufacturer's Codes" on page 52, and find the three-digit code number for the manufacturer of your equipment. (If more than one code number is listed, use the number listed first.)
- 2 Open the remote control and set the A/V slide switch to 1, 2, 3, or DVD.
- 3 Press CODE SET.
- 4 Enter the three-digit manufacturer's code number.
 - 5 Press ENTER.
 - You must do step 5 within 10 seconds of step 4, or you must redo steps 3 through 5.
- To check if the code number works, aim the TV's remote control at the equipment and press the POWER button that corresponds with that equipment. If it responds, you are done. If not, try using another code listed for that manufacturer.

Notes

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- ☐ If you enter a new code number, the code number you previously entered at that setting is erased.
- ☐ In some cases, you may not be able to operate your equipment with the supplied remote control. In such cases, use the equipment's own remote control unit.
- Whenever you remove the batteries to replace them, the code numbers may revert to the factory setting and must be reset.





Manufacturer's Codes

VCRs

VCRs	
Manufacturer	Code
Sony	301, 302, 303
Admiral	327
(M. Ward)	
Aiwa	338, 344
Audio	314, 337
Dynamic	210 217
Broksonic	319, 317
Canon	309, 308
Citizen	332
Craig	302, 332
Criterion	315
Curtis Mathes	304, 338, 309
Daewoo	341, 312, 309
DBX	314, 336, 337
Dimensia	304
Emerson	319, 320, 316,
Tr. 1	317, 318, 341
Fisher	330, 335
Funai	338
General	329, 304, 309
Electric	222 220 240
Go Video	322, 339, 340
Goldstar	332
Hitachi	306, 304, 305,
Instant Danlary	338
Instant Replay	309, 308 309, 305, 304,
JC Penney	330, 314, 336,
	337
IVC	314, 336, 337,
,,,	345, 346, 347
Kenwood	314, 336, 332,
Renwood	337
LXI (Sears)	332, 305, 330,
23 (3 (3 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4	335, 338
Magnavox	308, 309, 310
Marantz	314, 336, 337
Marta	332
Memorex	309, 335
Minolta	305, 304
Mitsubishi/	323, 324, 325,
MGA	326
Multitech	325, 338, 321
NEC	314, 336, 337
Olympic	309, 308
Optimus	327

Manufacturer	Code
Orion	317
Panasonic	308, 309, 306,
	307
Pentax	305, 304
Philco	308, 309
Philips	308, 309, 310
Pioneer	308
Quasar	308, 309, 306
RCA/	304, 305, 308,
PROSCAN	309, 311, 312,
	313, 310, 329
Realistic	309, 330, 328,
	335, 324, 338
Sansui	314
Samsung	322, 313, 321
Sanyo	330, 335
Scott	312, 313, 321,
	335, 323, 324,
	325, 326
Sharp	327, 328
Signature	338, 327
2000 (M.	
Ward)	
SV2000	338
Sylvania	308, 309, 338,
•	310
Symphonic	338
Tashiro	332
Tatung	314, 336, 337
Teac	314, 336, 338,
	337
Technics	309, 308
Toshiba	312, 311
Wards	327, 328, 335,
	331, 332
Yamaha	314, 330, 336,
	337
Zenith	331

Laserdisc Players

Manufacturer	Code
Sony	701
Panasonic	704, 710
Pioneer	702

DVD Players

Manufacturer	Code
Sony	<i>7</i> 51
General	<i>7</i> 55
Electric	
Hitachi	758
JVC	756
Magnavox	<i>7</i> 57
Mitsubishi	761
Oritron	759
Panasonic	753
Philips	<i>7</i> 57
Pioneer	752
RCA/Proscan	755
Samsung	758
Toshiba	754
Zenith	760

Cable Boxes

Manufacturer	Code
Sony	230
Hamlin/Regal	222, 223, 224,
_	225, 226
Jerrold/G. I.	201, 202, 203,
	204, 205, 206,
	207, 208, 218
Oak	227, 228, 229
Panasonic	219, 220, 221
Pioneer	214, 215
Scientific	209, 210, 211
Atlanta	
Tocom	216, 217
Zenith	212, 213

Satellite Receivers

Manufacturer	Code
Sony	801
Dish Network	810
Echostar	810
General	802
Electric	
Hitachi	805
Hughes	804
Mitsubishi	809
Panasonic	803
RCA/	802, 808
PROSCAN	
Toshiba	806, 807

Using Other Equipment with Your TV Remote Control

All Equipment

To Do This	Do This
Switch the TV's input to the VCR, DVD player, or other connected equipment	Press TV/VIDEO repeatedly to cycle through the video equipment connected to the TV's video inputs.
Set up the TV remote control to operate non-Sony equipment	You must program the remote control the first time you use it. See "Programming the Remote Control" on pages 51 to 52.

Operating a VCR

To Do This	Press
Activate the remote control to operate the VCR	Open the outside cover, as shown on page 50. The set the A/V slide switch to the position you programmed for the VCR.
Change channels	CH +/-
Record	➤ and ● simultaneously
Play	
Stop	
Fast forward	>>
Rewind the tape	←
Pause	II
Search the picture forward or backward	or during playback (release to resume normal playback)
Change input mode	TV/VCR

Operating a Satellite Receiver

:	
To Do This	Press
Activate the remote control	SAT/CABLE FUNCTION
to operate the satellite	
receiver	
Turn on/off	SAT/CABLE POWER
Select a channel	0-9, ENTER
Change channels	CH +/-
Back to previous channel	JUMP
Display channel number	DISPLAY
Display SAT Guide	GUIDE
Display SAT Menu	MENU
Move highlight (cursor)	Move the joystick ◆ ◆ ◆ ◆
Select item	(

Operating a Cable Box

To Do This	Press
Activate the remote control to operate the cable box	SAT/CABLE FUNCTION
Turn on/off	SAT/CABLE POWER
Select a channel	0-9, ENTER
Change channels	CH +/-
Back to previous channel	JUMP

Operating a DVD Player

To Do This	Press
Activate the remote control to operate the DVD	Open the outside cover, as shown on page 50. Then set the A/V slide switch to the position you programmed for the DVD player.
Play	
Stop	
Pause	II
Step through different tracks of the disc	▶► to step forward or ◀◀ to step backward
Step through different chapters of a video disc	CH+ to step forward or CH- to step backward
Display the DVD player Menu (Setup)	MENU (inside panel)
Display the DVD Menu	DISC MENU
Move highlight (cursor)	+++
Select item	SELECT

Operating an MDP (Laserdisc Player)

To Do This	Press
Activate the remote control to operate the MDP	Open the outside cover, as shown on page 50. Then set the A/V slide switch to the position you programmed for the MDP player.
Play	>
Stop	
Pause	II
Search the picture forward or backward	or during playback (release to resume normal playback)
Search a chapter forward or backward	CH +/-

Using the Features

Overview

This chapter describes how to use the features of your TV.

Topic	Page
Watching TV	56
Using the Scrolling Index	57
Using Wide Mode	58
Using Twin View	59
Using Favorite Channels	62
Using the Freeze Function	63
Using the Memory Stick Picture Viewer	64

Watching TV

For a complete list of all the functions of the remote control, see pages 47-52.

To Do This	Do This	
Activate the remote control to operate the TV	Press TV FUNCTION	
Turn on/off the TV	Press TV POWER	
Tune directly to a channel	Press 0-9 and then ENTER (or wait 3 seconds) or Press CH+/-	
Adjust the volume	Press VOL +/-	
Mute the volume	Press MUTING (press again to unmute)	
Alternate back and forth	Press JUMP	
between two channels	The TV alternates between the current channel and the last channel tuned.	
Display the current channel number (and other information)	Press DISPLAY once to display the channel number, current time, and channel label (if set). Press DISPLAY again to turn Display off.	
Switch the TV's input to the VCR, DVD player, or other connected equipment	Press TV/VIDEO repeatedly to cycle through the video equipment connected to the TV's video inputs.	
Change video and audio options, customize the TV's setup, set parental controls, and more	Press MENU to display the Menu. For details, see "Using the Menus" on page 71.	
Switch the TV's input between sources connected to the TV's VHF/UHF and AUX inputs	Press ANT to alternate between sources connected to the TV's VHF/UHF and AUX inputs.	

Using the Scrolling Index

The Scrolling Index lets you select programs from a scrolling index of video pictures.

1 Press INDEX.

The Scrolling Index appears, with the currently selected program in the main (left) window, and four scrolling video pictures in the right.



As each picture on the right scrolls to the live preview window, it changes briefly from a frozen video picture to a live video. The right side continues to scroll through the entire channel list.

- To change the direction of the scrolling, move the joystick ♠ or ♥.
- 3 To change the speed of the scrolling, move and hold the joystick ♠ or ♥.
- 4 To change a frozen video picture to a live video, move the joystick ♠ or ♥ to highlight the picture, then press ⊕.
- To move the live video (from step 4) from the right to the main (left) window of the Scrolling Index, press ① again.

To exit the Scrolling Index

Press INDEX.

Factors Affecting Scrolling Index

- Scrolling Index feature does not function if you use a cable box to view all channels.
- Sources connected to the AUX, VIDEO 5, VIDEO 6, and VIDEO 7 inputs display in the left window, but not the right windows.
- Scrolling Index does not function if parental controls are set (see page 80).

Using Wide Mode

You can also access the

Wide Mode settings in the Screen menu. For details, see

page 76.

Wide Screen mode lets you watch 4:3 normal broadcasts in several Wide Screen modes (16:9 aspect ratio).

- When viewing high-definition programs broadcast in 720p/1080i, it is not possible to change between Wide Screen modes.
- Press WIDE MODE repeatedly to toggle through the following Wide Mode settings.



Wide Zoom enlarges the 4:3 picture, while the upper and lower parts of the picture are condensed to fit the 16:9 screen.

When you change channels or inputs, the Wide Mode settings revert to the 4:3 Default setting in the Screen menu. To retain the current Wide Mode setting as channels and inputs are changed, set 4:3 Default to Off. For details, see page 77.



Normal returns the 4:3 picture to its original size.



Full Mode stretches the 4:3 picture horizontally only, to fill the 16:9 screen.



Zoom Mode enlarges the 4:3 picture horizontally and vertically to an equal aspect ratio that fills the 16:9 screen. Useful for watching Letterbox movies.

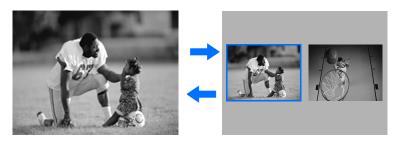
Using Twin View

Twin View lets you see two pictures from two sources — from an antenna, VCR, DVD, etc. — on the screen at the same time. You hear the sound from only one of the sources at a time, but you can choose which source's sound is selected. You can also change the relative size of each of the pictures.

Displaying Twin Pictures

- 1 Tune the TV to a working channel.
- 2 Press ①.

A second picture appears. The active picture is highlighted in blue.



To cancel Twin View and watch the active picture

□ Press □ or ⊕.

Factors Affecting Twin View

- If you use a cable box to view all channels, the same channel appears in both windows because the cable box unscrambles only one channel at a time.
- ☐ If you use a cable box, you can view the cable box output in one window and view a different source (such as a VCR or DVD player) in the second window by using the TV/VIDEO button. For details, see "Connecting Optional Equipment" on page 25.
- □ Sources connected to the AUX, VIDEO 5, VIDEO 6, and VIDEO 7 inputs display in the left window, but not the right.
- ☐ If you are viewing a 4:3 source and a 16:9 enhanced source (such as a DVD) side by side, the 4:3 source appears larger.
- Twin View does not display channels that are blocked by parental settings (see page 80).

Activating the Picture

To activate the picture in the right window

■ Move the joystick →.



■ Move the joystick **←**.





Functions Available in the Active (Highlighted) Window

Do This
Press 0-9 and then ENTER (or wait 3 seconds) or Press CH+/-
Press VOL +/-
Press MUTING (press again to unmute)
Press ANT (left window only)
Press TV/VIDEO
Move the joystick ♠ or ♣. (For details, see "Changing the Picture Size" on page 61.)

Changing the Picture Size

The zoom feature lets you vary the relative size of the left and right pictures.

- 1 Move the joystick or → to activate the picture that you want to resize.
- Move the joystick ◆ to enlarge the picture.
- Move the joystick ◆ to make the picture smaller.











When you adjust the picture sizes, the TV memorizes the change. The next time you use the Twin View function, the memorized sizes appear.

Using Favorite Channels

The Favorite Channels feature lets you select programs from a list of up to eight favorite channels that you specify.

Creating a List of Favorite Channels

For details on using the Channel Menu, see page 78.

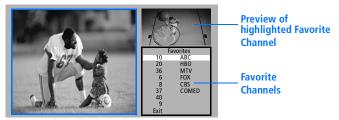
- 1 Press MENU to display the Menu.
- Move the joystick ◆ or ➤ to highlight the Channel icon and press ⊕.
- **3** Press to select Favorite Channels.
- 4 Move the joystick ◆ or ▼ to highlight a Favorite Channel number (1-8) and press ⊕.
- 5 Move the joystick ↑ or ▼ to highlight a channel you want to assign to the Favorite Channel number. A preview of the highlighted channel appears in the upper right of the screen. Press ⊕ to select that channel as a Favorite Channel.
- To add more channels to your favorites list, repeat steps 4-5.

 To clear a Favorite Channel, move the joystick ↑ or ▼ to highlight the channel you want to clear. Press ⊕ and then press RESET.
- 7 Press MENU to exit the Menu.

Displaying a List of Favorite Channels

To assign Channel Labels (e.g., ABC, HBO, MTV, etc.) to channel numbers, as shown at right, use the Channel Label feature in the Channel Menu (see page 79).

1 Press FAVORITES. The Favorite Channels list appears.

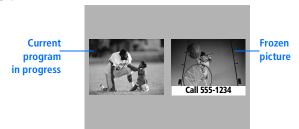


- 2 Move the joystick ♠ or ♥ to highlight the channel you want to watch.
 - A preview of the highlighted Favorite Channel appears.
- 3 Press 🕀 to select the channel you want to watch.

Using the Freeze Function

The FREEZE button allows you to temporarily capture a program's picture. You can use this feature to write down information such as phone numbers, recipes, etc.

- The Freeze feature is not available while you are using the Twin View or Scrolling Index features.
- 1 When the program information you want to capture is displayed, press FREEZE.
- The TV switches to Twin View mode and displays the "frozen" picture on the right, while the current program continues on the left.



3 To cancel and return to normal viewing, press FREEZE (or just tune to another channel).

Using the Memory Stick Picture Viewer

About Memory Stick



Memory Stick (sold separately) is a new, compact, portable, and versatile Integrated Circuit recording medium with a data capacity that exceeds that of a floppy disk. Memory Stick is specially designed for exchanging and sharing digital data among Memory Stick compatible products such as digital cameras and digital video cameras. Because it is removable, Memory Stick can also be used for external data storage.

You cannot write to Memory Stick media using the TV.

Memory Stick technology allows you to view on your TV screen digital (jpeg) images that are stored on Memory Stick media. You can choose from an index of the images stored on the Memory Stick, or you can run a slideshow of those images. You can also customize the features of the slideshow by selecting the length of time that each image is displayed, toggling the display of file information, and rotating each image.

For more information about the using Memory Stick media, see "Notes on Using Memory Stick Media" on page 89.

Supported Image Types

This TV's Memory Stick viewer can display only still images that have been recorded on Memory Stick media by Sony brand digital still and video cameras.

The TV's Memory Stick viewer is compatible with Memory Sticks up to and including 128MB. It is not compatible with Memory Sticks that exceed 128MB.

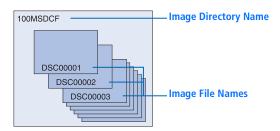
Recorded images must also meet the following specifications:

- Compression format: JPEG
- File name format: DCF compliant

JPEG stands for "Joint Photographic Experts Group," which is the organization that implemented this format. DCF stands for "Design Rules for Camera File Systems," which are specifications established by the Japan Electronic Industry Development Association (JEIDA).

About DCF File Names

Most Sony brand digital still and video cameras automatically record still images using DCF compliant directory and file names, as shown in the following example:



Do not rename directories. If the names are changed, the still images cannot be displayed on your TV.

Unsupported Image Types

This TV's Memory Stick viewer cannot display any of the following:

- Images recorded on digital still cameras and digital video cameras that are not Sony brand
- ☐ Images recorded using products that are not DCF compliant, including the following Sony products:

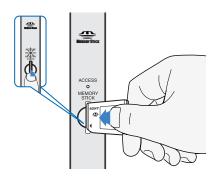
Digital still cameras	DSC-D700, DSC-D770
Digital video cameras	DCR-TRV900/DSR-PD100A

- ☐ Images stored on a Memory Stick that has a capacity that exceeds 128MB
- ☐ Images stored in TIFF or any other non-JPEG compression format
- Images in directories that were modified or renamed on a computer
- ☐ Images with less than 16 horizontal and/or vertical lines per dot
- ☐ Images with more than 4096 horizontal and/or vertical lines per dot
- Movie clips

Inserting and Removing a Memory Stick

To insert a Memory Stick

1 Locate the Memory Stick slot (see pages 14-15) and insert the Memory Stick into the Memory Stick slot as illustrated below. When inserted properly, it should slide in with little resistance and click into place.

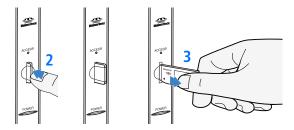


Be sure to insert the Memory Stick in the correct direction. If the Memory Stick is forced in the wrong way, it may become damaged.

Insert only Memory Stick media into the Memory Stick slot. Attempting to insert other objects into the slot may damage the TV.

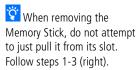
To remove a Memory Stick

- 1 Check that the Memory Stick indicator is off. (When the light is on, this indicates that the TV is reading data from the Memory Stick.)
- Push the Memory Stick gently into the slot, and then release it. The Memory Stick media is ejected.



Pull the Memory Stick completely out of the slot.

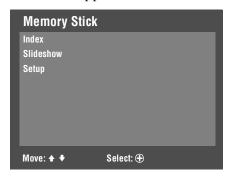
To protect small children from injury from Memory Stick Media, remove all Memory Stick media from the TV's Memory Stick slot and store it in a safe location when it is not in use.





Displaying the Memory Stick Menu

- 1 Insert a Memory Stick that contains the images you want to view. For details, see page 66.
- 2 Press the MEMORY STICK button on the remote control. The Memory Stick Menu appears.



3 To select an option, move the joystick ★ or ▼ to highlight the option and press ⊕.

Option	Description
Index	Displays an index of thumbnail images that are on the Memory Stick. For details, see "Using the Memory Stick Index" on page 68.
Slideshow	Displays a slideshow of images that are on the Memory Stick. For details, see "Using the Memory Stick Slideshow" on page 69.
Setup	Allows you to change slideshow options and rotate images. For details, see "Changing the Memory Stick Setup Options" on page 69.

To exit the Memory Stick Menu, press CH +/-, TV/VIDEO, ANT, or use the 0-9 buttons and ENTER (or wait 3 seconds) to select a channel.



Using the Memory Stick Index

The Memory Stick Index lets you view images that are on the Memory Stick in an index of thumbnail images.

There is no audio signal available while viewing images on Memory Stick.

- 1 Insert a Memory Stick that contains the images you want to view. For details, see page 66.
- Press the MEMORY STICK button on the remote control. The Memory Stick Menu appears.
- 3 Move the joystick to highlight Index and press ①. The Memory Stick Index appears.



The selected image is highlighted in yellow

Information about the selected image

Move the joystick ★ ◆ ◆ ◆ to highlight an image and press ⊕ to select the image. Selecting an image displays that image at full size. While an image is displayed full size, you can do any of the following:

To Do This	Do This
Display the previous image	Move the joystick 4 .
Display the next image	Move the joystick . If you move the joystick while viewing the last image, the first image is displayed. If you move the joystick while viewing the first image, the last image is displayed.
Display the Memory Stick Index	Press 🕀.

5 To return to the Memory Stick Menu, move the joystick to Menu¬ and press ⊕.

If a blank square appears instead of a thumbnail image, this indicates that the image does not support a thumbnail view. Selecting the icon, however, displays the full-size image on the screen. It could also indicate that both the thumbnail and full-size images are corrupted or not supported.

The Page and folder (二) buttons are available only if the Memory Stick contains more images or folders than can be displayed on one screen.

Larger images will take longer to display on screen.

Using the Memory Stick Slideshow

The Memory Stick Slideshow lets you watch a slideshow of the images that are on the Memory Stick.

- 1 Insert a Memory Stick that contains the images you want to view. For details, see page 66.
- Press the MEMORY STICK button on the remote control. The Memory Stick Menu appears.
- **3** Move the joystick to highlight Slideshow and press ①. The slideshow starts.
- 4 To end the slideshow, press ①. The Memory Stick Menu is displayed.

Changing the Memory Stick Setup Options

- 1 Press the MEMORY STICK button on the remote control. The Memory Stick Menu appears.
- 2 Move the joystick to highlight Setup and press ①. The Memory Stick Setup Menu appears.



3 Move the joystick to highlight an option and press ①.

Option	Description		
Menu	Returns to the Memory Stick Menu.		
Slideshow – Interval	Decrease or increase the length of time that each image is displayed: 5 seconds, 10 seconds, 1 minute, 5 minutes, or 15 minutes.		
Slideshow – Repeat	Select On to set the slideshow to repeat after displaying all the images recorded on the Memory Stick. Select Off to not repeat the slideshow.		
File Information	Select On to show file information of each image while that image is being displayed.		
Rotate Picture	Displays the Rotate Picture screen. For details, see "Using the Rotate Picture Screen" on page 70.		

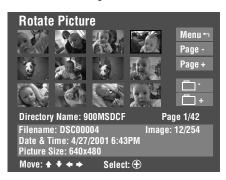
- 4 Move the joystick → (or press ⊕) to change settings. Move the joystick ◆ (or press ⊕) to select the changed setting.
- 5 To exit the Memory Stick Setup Menu, move the joystick to Menu→ and press ⊕.

Using the Rotate Picture Screen

The Rotate Picture Screen lets you rotate an image from an index of thumbnails.

You cannot rotate images if the LOCK switch on the Memory Stick is on. To rotate the images, first set the LOCK switch to off.

1 In the Memory Stick Setup Menu, move the joystick to highlight Rotate Picture and press 🕀. The Rotate Picture screen appears.



- Move the joystick ★ ★ ◆ → to highlight an image that you want to rotate.
- **3** Press 🕀 to rotate an image 90 degrees in a clockwise direction.
- 4 To return to the Memory Stick Setup Menu, move the joystick to highlight Menu¬ and press ⊕.
- If a blank square appears instead of the thumbnail image, this indicates that the image does not support a thumbnail view and cannot be rotated.

The Page and folder () buttons are available only if the Memory Stick contains more images or folders than can be displayed on one screen.

Using the Menus

Overview

The Menu gives you access to the following features:

Menu Icon	Description	Page
Video	Allows you to make adjustments to your picture settings. It also allows you to customize the Picture Mode based on the type of program you are viewing, select Advanced Video options, and more.	72
Audio	Offers enhanced audio options such as listening to second audio programming (SAP) or customizing the Effect of the sound on your TV.	74
Screen	Allows you to make Wide Mode adjustments and make changes to the screen's vertical center.	76
Channel	Allows you to set up a Favorite Channel list, run the Auto Program function, skip and label channels, and more.	78
Parent	Lets you control the viewing of programs based on their ratings.	80
Setup	Provides options for setting up your system, including selecting closed caption modes, setting the Timer, labeling video inputs, selecting the language of the on-screen menus, and more.	83

Press MENU to enter and exit Menus.

Navigating Through Menus

Menus include navigation help text that appears at the bottom of each Menu.

To Do This	Press
Display the Menu	MENU
Move through the Menus	+ +
Move through the Menu options	+ *
Select an option to change	\oplus
Change an option's settings	+++
Select (confirm) changed setting	⊕ or ◆
Exit the Menu	MENU



Using the Video Menu

To select the Video Menu

- 1 Press MENU.
- 2 Move the joystick ◆ or → to highlight the Video icon and press ⊕.
- 3 Move the joystick to highlight an option. Press ⊕ to select an option.
- Move the joystick ★ ◆ ◆ ◆ to change settings. Press ⊕ to select the changed setting.
- 5 Press MENU to exit the Menu.

To restore the factory default settings for the Video settings (excluding Advanced Video) of the Mode (Vivid, Standard, etc.) the TV is set to:

☐ Press RESET on the remote control when in the Video Menu.

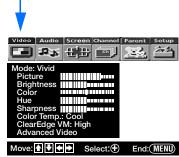
Selecting Video Options

To change from one Mode to another, use the PIC MODE button on the remote control.

You can alter the Video Menu settings (Picture, Brightness, Color, etc.) for each Mode.

The Video Menu includes the following options:

Option	Description			
Mode Customized	Vivid	Select for enhanced picture contrast and sharpness.		
picture	Standard	Select for standard picture settings.		
viewing	Movie	Select to display a softer picture.		
	Pro	Select to display a picture with minimum enhancements.		
Picture	Adjust to increase picture contrast and deepen the color, or decrease picture contrast and soften the color.			
Brightness	Adjust to brighten or darken the picture.			
Color	Adjust to increase or decrease color intensity.			
Hue	Adjust to increase or decrease the green tones.			
Sharpness	Adjust to sharpen or soften the picture.			
Color Temp.	Cool	Select to give the white colors a blue tint.		
White intensity adjustment	Neutral	Select to give the white colors a neutral tint.		
	Warm	Select to give the white colors a red tint (NTSC-Standard).		



To change quickly from one
DRC Mode to another, use the
DRC MODE button on the remote
control.

Advanced Video options are not available (grayed out) when watching 480p, 720p, and 1080i sources.

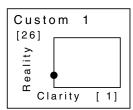
To change quickly from one DRC Palette to another, use the DRC PALETTE button on the remote control.

For best results, adjust the Reality by moving the joystick 1 until you are satisfied with the level of detail. Then adjust the Clarity by moving the joystick < until you have a smooth image.

Option	Description		
ClearEdge VM Velocity Modulation	Sharpens picture definition to give every object a sharp, clean edge. Select from High, Medium, Low, Off.		
Advanced Video	Select Program options while		mong the DRC Mode and DRC Palette ISC sources.
	DRC Mode	Creates a high-resolution picture with 4x density, for high quality sources (i.e., DVD player, satellite receiver).	
		Interlaced	Recommended for moving pictures.
		Progressive	Recommended for still images and text.
		CineMotion	Provides an optimized display by automatically detecting film content and applying a reverse 3/2 pulldown process. Moving pictures will appear clearer and more natural-looking.
	DRC Palette	Allows you	u to customize the level of detail

(Reality) and smoothness (Clarity) for up to three input sources. For example, you can create one Custom setting to optimize your cable input's picture, and create another to optimize your DVD player's picture. You can switch among the three Custom settings using the DRC PALETTE button on the remote control.

Move the joystick to highlight Custom 1, Custom 2, or Custom 3 and then press 🕀. The DRC palette appears.



- Move the joystick to adjust the position of the marker (●). As you move the ● higher along the Reality axis, the picture becomes more detailed. As you move the ● to the right along the Clarity axis, the picture becomes smoother.
- To save the setting, press \oplus .

To return the Custom options to the default factory settings, press the RESET button.



Using the Audio Menu

To select the Audio Menu

- Press MENU.
- 2 Move the joystick ◆ or → to highlight the Audio icon and press 🕀.
- Move the joystick to highlight an option. Press 🕀 to select an option.
- Move the joystick ◆ ◆ ◆ to change settings. Press 🕀 to select the changed setting.

Move: ♠ ♦ Select: ⊕ End: MENU

Steady Sound: Off Effect: Simulated

Speaker: On Audio Out: Fixed

5 Press MENU to exit the Menu.

To restore the factory default settings for Treble, Bass, and Balance

Press **RESET** on the remote control when in the Audio Menu.

Selecting Audio Options

The Audio Menu includes the following options:

Option	Description	
Treble	Adjust to decrease or increase higher-pitched sounds.	
Bass	Adjust to d	ecrease or increase lower-pitched sounds.
Balance	Adjust to e	mphasize left or right speaker balance.
Steady Sound	Auto	Select to stabilize the volume.
	Off	Select to turn off Steady Sound.
Effect	TruSurround	Select for surround sound (for stereo programs only).
	Simulated	Adds a surround-like effect to mono programs.
	Off	Normal stereo or mono reception.
MTS Enjoy stereo, bilingual and mono programs	Stereo	Select for stereo reception when viewing a program broadcast in stereo.
	Auto SAP	Select to automatically switch the TV to second audio programs when a signal is received. (If no SAP signal is present, the TV remains in Stereo mode.)
	Mono	Select for mono reception. (Use to reduce noise during weak stereo broadcasts.)

To change quickly from one Effect to another, use the ① button on the inside panel of the remote control.

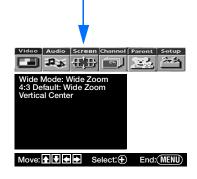
Option	Descriptio	n
Speaker	On	Select to turn on the TV speakers.
	Off	Select to turn off the TV speakers and listen to the TV's sound only through your external audio system speakers.
Audio Out Easy control of volume adjustments	This optio to Off.	n can be set only when the Speaker option is set
	Variable	The TV's speakers are turned off, but the audio output from your audio system can still be controlled by the TV's remote control.
	Fixed	The TV's speakers are turned off and the audio output of the TV is fixed. Use your audio receiver's remote control to adjust the volume (and other audio settings) through your audio system.



Using the Screen Menu

To select the Screen Menu

- 1 Press MENU.
- 2 Move the joystick ◆ or → to move to the Screen icon and press ⊕.
- 3 Move the joystick ♠ or ♥ to move to an option. Press ⊕ to select an option.
- 4 Move the joystick ◆ ◆ ↑ to change settings. Press ⊕ to select the changed setting.
- 5 Press MENU to exit the Menu.



Selecting Screen Mode Options

To change from one Wide Mode to another, use the WIDE MODE button on the remote control.

For Wide Zoom and Zoom modes, you can adjust the vertical position of the picture. For details, see page 77.

The Screen menu includes the following options:

The Screen menu includes the following options:		
Option	Description	
Wide Mode Select a Wide Mode to use for	Wide Zoom	Select to enlarge the 4:3 size picture, while the upper and lower parts of the picture are condensed to fit the wide screen.
4:3 sources.	Normal	Select to return the 4:3 picture to normal mode.
	Full	Select to enlarge the 4:3 picture horizontally only, to fill the wide screen.
	Zoom	Select to enlarge the 4:3 picture horizontally and vertically to an equal aspect ratio that fills the wide screen.
		s unavailable while in Twin View, or when (1080i, 720p) sources.
	aspect ra the top a	cases, wide-screen programs will be shown in tios that require the display of black bands at and bottom of your 16:9 screen. For more ee page 92.

If 4:3 Default is set to anything but Off, the Wide Mode setting changes only for the current channel. When you change channels (or inputs), Wide Mode is automatically replaced with the 4:3 Default setting. To retain the current Wide Mode setting as channels and inputs are changed, set 4:3 Default to Off.

Option	Description	
4:3 Default Select the default Screen Mode to	Wide Zoom	Select to enlarge the 4:3 size picture, while the upper and lower parts of the picture are condensed to fit the wide screen.
use for 4:3 sources	Normal	Select to return the 4:3 picture to normal mode.
	Full	Select to enlarge the 4:3 picture horizontally only, to fill the wide screen.
	Zoom	Select to enlarge the 4:3 picture horizontally and vertically to an equal aspect ratio that fills the wide screen.
	Off	Select to continue using the current Wide Mode setting when the channel or input is changed.
Vertical Center		o move the position of the picture up and vindow. (Available only in Wide Zoom and .)
	correction bet	stick • or • and press 🕁 to choose a sween +15 and -15 (Zoom mode), and +10 e Zoom mode).

Channel

Using the Channel Menu

To select the Channel Menu

- 1 Press MENU.
- 2 Move the joystick ◆ or → to highlight the Channel icon and press ⊕.
- 3 Move the joystick to highlight an option. Press ⊕ to select an option.



- 4 Move the joystick ◆ ◆ ◆ ◆ to change settings. Press ⊕ to select the changed setting.
- 5 Press MENU to exit the Menu.

Selecting Channel Options

The Channel Menu includes the following options:

Option	Description	
Favorite Channels	•	up a list of your favorite channels. For Using Favorite Channels" on page 62.
Cable	On	Select if you are receiving cable channels with a CATV cable.
	Off	Select if you are using an antenna.
	You shou option.	ld run Auto Program after changing this
Channel Fix	Off	Turns off Channel Fix.
Useful when you have a cable box or satellite receiver connected	2-6	"Fix" your TV's channel setting to 2-6 and use the cable box or satellite receiver to change channels. Select one of these settings if you connected the equipment to the VHF/UHF jack.
	AUX 2-6	Same as 2-6, except you select one of these settings if you connected the equipment to the AUX jack (see page 17).
	Video 1	Use this setting if you have connected the equipment to the A/V input jacks.
Auto Program	Automaticall receivable ch	y sets up the channel list on the TV for all annels.

Channels that you set to be skipped can be accessed only with the 0-9 buttons.

Channel Label is not available (grayed out) when watching 480p, 720p, and 1080i sources.

0.11	- 14
Option	Description
Channel Skip/Add	Allows you to customize the channel list that appears when you use the CH+/- buttons.
	Move the joystick ♠ or ♥ to scroll through the channels until you find the channel you want to skip or add. Then press ⊕ to select it.
	Move the joystick ♠ or ♥ to toggle between Add or Skip. Then press ⊕ to select.
	3 To add or skip more channels, repeat steps 1 and 2.
	4 Move the joystick • to return to the Channel Menu, or press MENU to exit the Menus.
Channel Label	Allows you to assign labels (such as station call letters) to channel numbers. You can label up to 20 channels.
	1 Move the joystick to highlight Channel and press 🕀.
	Move the joystick ★ ▼ to scroll through the channel numbers (1-125). Then press ⊕ to select the channel number that you want to assign a label.
	3 Move the joystick to highlight Label and press ⊕.
	4 Move the joystick ★ ★ to scroll through the label characters (A-Z, 0-9, etc.). Then press ⊕ to select the highlighted character.
	5 Repeat to add up to 5 characters to the label.
	6 To assign labels to more channels, repeat steps 1-4.
	7 Move the joystick • to return to the Channel Menu, or press MENU to exit the Menus.

Parent

Using the Parent Menu

The Parent Menu allows you to set up the TV to block programs according to their content and rating levels.

To select the Parent Menu

- 1 Press MENU.
- 2 Move the joystick or → to highlight the Parent icon and press ⊕.
- Press to enter password:

 Move: Select: Select: End: MENU
- Use the 0-9 buttons on the remote control to enter a four-digit password.
- 4 If this is the first time you are creating this password, confirm the password by entering it again. (The Parent Menu options appear.)
- Move the joystick ★ ◆ ◆ ◆ to change settings. Press ⊕ to select the changed setting.
- 6 Press MENU to exit the Menu.

You need your password for any future access into the Parent Menu. If you lose your password, see "Lost password" on page 94.

Selecting Parent Options

If you are not familiar with the Parental Guideline rating system, you should select Child, Youth, or Young Adult to help simplify the rating selection. To set more specific ratings, select Custom.

For descriptions of Child, Youth, and Young Adult ratings, see page 81.

The Parent Menu includes the following options:

Option	Description	
Parental Lock	Off	Parental lock is off. No programs are
Turn ratings		blocked from viewing.
on/off and select a	Child	Maximum ratings permitted are:
rating system		☐ US: TV-Y, TV-G, G
		Canada: C, G, TV-Y
	Youth	Maximum ratings permitted are:
		US: TV-PG, PG
		Canada: C8+, PG, 8 ans+, TV-PG
	Y. Adult	Maximum ratings permitted are:
		☐ US: TV-14, PG-13
		☐ Canada: 14+, 13 ans+, TV-14
	Custom	Select to set ratings manually.
		US: See page 81 for details.
		Canada: See page 82 for details.
Change Password	For changing	your password.
Select Country	U.S.A.	Select to use USA ratings (see page 81).
	Canada	Select to use Canadian ratings (see
		page 82).

US Models: Selecting Custom Rating Options

The Content-Based Ratings are linked to the level of the Age-Based Rating. For example, a program with an Age-Based Rating of TV-PG V (Violence) rating may contain moderate violence, while a TV-14 V (Violence) rating may contain more intense violence.

To ensure maximum blocking capability, set the Age-Based Ratings.

If you block unrated TV programs, be aware that the following types of programs may be blocked: programs broadcast from another country, emergency broadcasts, political programs, sports, news, public service announcements, religious programs and weather.

For US models, the Custom Rating Menu includes the following options. (For Canadian models, see page 82.)

Option	Descrip	tion
Movie Rating	G	All children and General Audience.
	PG	Parental Guidance suggested.
	PG-13	Parental Guidance for children under 13.
	R	Restricted viewing, parental guidance is suggested for children under 17.
	NC-17	No one 17 or under allowed.
	and X	
TV Rating	Age-Base	d Ratings
Block programs	TV-Y	All children.
by their rating,	TV-Y7	Directed to children age 7 and older.
content or both	TV-G	General Audience.
	TV-PG	Parental Guidance suggested.
	TV-14	Parents Strongly cautioned.
	TV-MA	Mature Audience only.
	Content-	Based Ratings
	FV	Fantasy Violence.
	D	Suggestive Dialogue.
	L	Strong Language.
	S	Sexual situations.
	V	Violence.
Unrated Block programs	Block	Blocks all programs and movies that are broadcast without a rating.
or movies that are broadcast without a rating	Allow	Allows programs and movies that are broadcast without a rating.

Viewing Blocked Programs

You can view blocked programs by entering the password. Press the ENTER button when tuned to a blocked program, then enter the password. This temporarily switches off the Parental Lock. To reactivate the Parental Lock settings, turn off the TV. When the TV is turned on again, your Parental Lock settings are reactivated.

Canadian Models: Selecting Custom Rating Options

For Canadian models, the Custom Rating Menu includes the following options. (For US models, see page 81.)

Option	Description	
English Rating	С	All children.
	C8+	Children 8 years and older.
	G	General programming.
	PG	Parental Guidance.
	14+	Viewers 14 and older.
	18+	Adult programming.
French Rating	G	General programming.
	8 ans+	Not recommended for young children.
	13 ans+	Not recommended for ages under 13.
	16 ans+	Not recommended for ages under 16.
	18 ans+	Programming restricted to adults.
U.S.A. Rating	See "US Moo	dels" on page 81 for details.

Viewing Blocked Programs

You can view blocked programs by entering the password. Press the ENTER button when tuned to a blocked program, then enter the password. This temporarily switches off the Parental Lock. To reactivate the Parental Lock settings, turn off the TV. When the TV is turned on again, your Parental Lock settings are reactivated.



Using the Setup Menu

To select the Setup Menu

- 1 Press MENU.
- 2 Move the joystick ◆ or → to highlight the Setup icon and press ⊕.
- 3 Move the joystick to highlight an option. Press ⊕ to select an option.



- 4 Move the joystick ◆ ◆ ◆ ◆ to change settings. Press ⊕ to select the changed setting.
- 5 Press MENU to exit the Menu.

Selecting Setup Options

To move from within one

Menu to the main Menu of

icons, move the joystick <.

The Setup Menu includes the following options:

Option	Description	
Caption Vision	,	elect from three closed caption modes (for re broadcast with closed caption).
	CC1, CC2, CC3, CC4	Displays a printed version of the dialog or sound effects of a program. (Should be set to CC1 for most programs.)
	Text1,Text2, Text3,Text4	Displays network/station information presented using either half or the whole screen (if available). For closed captioning, set to CC1.
	Info	Displays the program name and the time remaining in the program (if the broadcaster offers this service). Displays when the channel is changed or the DISPLAY button is pressed.
	Off	Turns off Caption Vision.

Option	Description	
Video Label	the TV, such a a DVD player select the labe you press the Label you ass 1 Move the (VIDEO Then pre 2 Move the displayed	o identify A/V equipment you connected to as a VCR, DVD, etc. For example, if you have connected to the VIDEO 5 jack, you can be DVD for the VIDEO 5 input. Then when TV/VIDEO button to change inputs, the Video igned to that input appears on screen. To postick of the video input 1-7) to which you want to assign a label. To select the input. The press to select the label. Then press to select the label. Then the following labels for each input:
	Video 1/2/3/	
	Video 5/6/7	DVD, Satellite, Cable Box, DTV, HD, Skip
		ect Skip, your TV skips this input when you TV/VIDEO button.
Language	Select to display all on-screen Menus in your language o choice.	
Clock/Timers		ne clock and to program your TV to turn on o scheduled viewing times.
	Timer 1 Timer 2	You can use the Timers to program the TV to turn on and off and tune to a specific channel at two scheduled viewing times.
	Timer 1 and Tin	mer 2 are not available to be set until you set
		e joystick ↑ or ▼ to highlight Timer 1 or o set the timer, move the joystick ▶.
		e joystick ♦ or ♥ to highlight one of the g options, then press ⊕.
	Program	Select to set the Timer by day, time, duration, and channel.
	Off	Select to turn off the Timer. (Your previous settings are saved.)
	and ↓ to channel r confirm €	lected Program in step 2, move the joystick set the day(s), hour, minute, duration, and number. Press or move the joystick to each setting and move to the next setting. It is joystick to go back to the previous

Press MENU to exit the Menu. An LED on the front panel will light, indicating the timer has been set.

To go directly to programming Timer 1 or 2,

press instead of moving

the joystick .

The Skip label is useful for inputs that do not have equipment connected to

them.

Option	Description	
Clock/Timers (continued)	Current Time	
	 Press ⊕ to select Current Time. Move the joystick ↑ and ↑ to set the current time (day, hour, and minute). Press ⊕ (or move the joystick →) to confirm each setting and move to the next setting. Move the joystick ◆ to go back to the previous setting. Press MENU to exit the Menu. 	
Flash Focus	Allows you to adjust the convergence automatically. For details, see page 44.	
Convergence	Allows you to fine-tune the convergence manually. For details, see page 45.	
Demo	Runs a demonstration of on-screen Menus.	

You can also access Flash Focus by pressing the FLASH FOCUS button on the front panel of the TV. For details, see pages 14-15.

Other Information

Overview

This chapter includes the following topics:

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Glossary

analog signal

A signaling method that uses continuous changes in the amplitude or frequency of an electronic transmission to convey information.

aspect ratio

Refers to the ratio between the width and height of the screen. This TV has a 16:9 (widescreen) aspect ratio, as opposed to a 4:3 aspect ratio.

4:3 aspect ratio





component video



Component video is sent through three cables: two color shade (chrominance) signals and one brightness (luminance) signal. Component video achieves greater color accuracy than composite video or S VIDEO by splitting chrominance into two separate portions.

composite video

Composite video is sent through a single cable. Composite video combines the color shade (chrominance) and brightness (luminance) information into one video signal.

digital television (DTV)

A new technology for transmitting and receiving broadcast television signals. DTV provides higher resolution and improved sound quality over analog television.

National Television System Committee (NTSC)

A unit of the Federal Communications Commission, Washington, DC, that establishes television standards in the United States, such as NTSC Color, the standard used in this TV.

RF

Radio Frequency. That part of the frequency spectrum in which it is possible to radiate (transmit) electromagnetic waves.

S VIDEO

S VIDEO requires a single cable, which carries the brightness (luminance) and color (chrominance) signals of the picture separately. S VIDEO provides better resolution than composite video, which carries the signals together.

VHF/UHF

VHF (Very High Frequency) is the part of the radio spectrum from 30 to 300 megahertz. UHF (Ultra High Frequency) is the part of the radio spectrum from 300 to 3,000 megahertz.

480i

Provides 480 lines of resolution. Displays images using interlaced scanning, which first transmits all the odd lines on the TV screen and then the even lines.

480p

Provides 480 lines of resolution. Displays images using progressive scanning, which transmits each line from top to bottom.

720p

Provides 720 lines of resolution. Displays images using progressive scanning, which transmits each line from top to bottom.

1080i

Provides 1080 lines of resolution. Displays images using interlaced scanning, which first transmits all the odd lines on the TV screen and then the even lines. 1080i is one of the formats used by HDTV (High Definition TV).

Other Info

Notes on Using Memory Stick Media

Memory Stick Precautions

When using Memory Stick media, follow these precautions:

- To avoid permanent damage to still image data, do not turn off the TV or remove Memory Stick media from the insertion slot while data is being read (as indicated by the Memory Stick indicator light being on).
- Avoid touching the terminal of Memory Stick media or bringing it into contact with a metal object.
- □ Do not drop, bend, or submit Memory Stick media to external shock.
- Do not disassemble or modify Memory Stick media.
- ☐ Avoid getting liquid on Memory Stick media.
- Apply labels only within the designated label area.



- ☐ To avoid permanent damage to still image data, do not use or store Memory Stick media in a location subject to:
 - ☐ High temperature (such as near a heater or inside a hot car)
 - High humidity
 - Direct sunlight
 - Corrosive substances
 - Magnetic fields
 - Excessive dust
 - Static electricity or electric noise
- Store and carry Memory Stick media in its original case to ensure protection of stored data.
- ☐ Save a backup of stored data.

Contacting Sony

If, after reading these operating instructions, you have additional questions related to the use of your Sony television, please call our Customer Information Services Center at 1-800-222-SONY (7669) (US residents only) or (416) 499-SONY (7669) (Canadian residents only).

Troubleshooting

If you are having problems with your TV, you can reset all the TV's settings to their original factory default settings, as follows.

- Notice: The following procedure resets all custom settings, channel lists, etc., to the factory default settings.
- 1 Turn on the TV.
- 2 Hold down the RESET button on the remote control.
- **3** Press the POWER button on the front panel of the TV.
- 4 Release the RESET button on the remote control.

Twin View

Problem	Po:	ssible Remedies
I cannot get Twin View to work		If you are using a cable box to unscramble all channels (as shown on page 24), you cannot use the Twin View feature. This is because the cable box can unscramble only one channel at a time. But if you need the cable box to unscramble only some (usually premium) channels, you can use Twin View for unscrambled channels if you connect both a cable and cable box, as shown on page 22.
		You can use Twin View to view a signal from a different source that is connected to the TV's A/V jacks (such as a VCR or DVD player) in the second window by pressing the TV/VIDEO button while in Twin View.
		Sources connected to the AUX, VIDEO 5, VIDEO 6, and VIDEO 7 inputs display in the left Twin View window, but not the right.
There is no Twin View window, or it is just static		Be sure the Twin View window is set to a video input or channel that has a signal airing.
,		You might be tuned to a video input with nothing connected to it. Try cycling through the video inputs by pressing the TV/VIDEO button.
		If you connected equipment to the TV's AUX jack, it will display in the left Twin View window, but not the right.
Twin View cannot display anything but TV channels		Try cycling through the video inputs by pressing the TV/VIDEO button. Check that the Video Label option is not set to Skip. (See the Setup Menu on page 84.)
Twin View displays the same program in both windows		Both Twin View windows might be set to the same channel. Try changing channels in either window.

Remote Control

Problem	Po.	ssible Remedies
Remote control		The batteries could be weak. Replace the batteries.
does not operate		Check the orientation of the batteries.
		Press the TV FUNCTION button. You may have inadvertently pressed the
		SAT/CABLE FUNCTION button, which changes the remote control to SAT or
		CABLE mode.
		Make sure the TV's power cord is connected securely to the wall outlet.
		Locate the TV at least 3-4 feet away from fluorescent lights.
Cannot change channels		
with the remote control		button.
		If you are using another device to change channels, be sure you have not inadvertently switched your TV from the channel 3 or 4 setting. Use the Channel Fix option to "fix" the channel based on the hookup you used (see
		page 78).
		If you are using another device to change channels, be sure to press the
		FUNCTION button for that device. For example, if you are using your cable box
		to change channels, be sure to press the SAT/CABLE FUNCTION button.
Remote control		If you replaced the batteries to the remote recently, the code numbers for
does not operate non-Sony		the video equipment may need to be reset.
video equipment		There may be more than one code for the equipment that you are
		attempting to operate.
		There is a possibility that some non-Sony equipment cannot be operated by
		your Sony TV remote. You may need to use the equipment's original remote control.

Memory Stick

Problem	Po	Possible Remedies			
Image does not display		Make sure the image is supported by the TV (see pages 64-65).			
		Make sure the Memory Stick is inserted properly (see page 66).			
		Memory Stick functions are not available while using Twin View, Freeze or Favorite Channel functions.			
Blank square appears instead of a thumbnail imag	e	This indicates that the image does not support a thumbnail view. Selecting the icon, however, displays the full-size image on the screen. It could also indicate that both the thumbnail and full-size images are corrupted or not supported.			
Cannot rotate image, no		Be sure the LOCK switch on the Memory Stick is set to off.			
thumbnail appears		If a blank square appears instead of the thumbnail image, this indicates that the image does not support a thumbnail view and cannot be rotated.			
Cannot hear audio while using Memory Stick		There is no audio available while using Memory Stick.			
Image file name does not appear; instead, dashes () appear		Dashes appear instead of the file name if the image was recorded using equipment that is not DCF-compliant. Dashes also appear if a DCF-compliant file was renamed.			

Video

Problem	Po.	ssible Remedies		
No picture		If your TV does not turn on, and a red light keeps flashing, your TV may		
(screen not lit), no sound		need service. Call your local Sony Service Center.		
		Make sure the power cord is plugged in.		
		Press the POWER button on the front of the TV.		
		Press the TV/VIDEO button to cycle through the connected video sources.		
		Try another channel; it could be station trouble.		
Dark, poor or no		Adjust the Picture option in the Video Menu (see page 72).		
picture (screen lit),		Adjust the Brightness option in the Video Menu (see page 72).		
good sound		Check the antenna/cable connections.		
No color		Adjust the Color option in the Video Menu (see page 72).		
Only snow and noise		Check the antenna/cable connections.		
appear on the screen		Try another channel; it could be station trouble.		
		Press ANT to change the input mode (see page 48).		
Dotted lines		Adjust the antenna.		
or stripes		Move the TV away from noise sources such as cars, neon signs, or hair-		
		dryers.		
Double images or ghosts		Using a highly directional outdoor antenna or a cable may solve the problem.		
"Black box" on screen		You have selected a text option in the Setup Menu and no text is available.		
		(See page 83 to reset Setup selections.) To turn off this feature, set the		
		Caption Vision option to Off. If you were trying to select closed captioning,		
		select CC1 instead of TEXT 1-4.		
Black bands appear at the		Some wide-screen programs are filmed in aspect ratios that are greater		
top and bottom of the screen	ı	than 16:9 (this is especially common with theatrical releases). Your TV will		
		show these programs with black bands at the top and bottom of the screen.		
		For more details, check the documentation that came with your DVD (or		
		contact your program provider).		
Certain programs on DVD o		The compression used by certain digital broadcasts and DVDs may cause		
other digital sources display		your TV's screen to display less detail than usual, or cause artifacts (small		
a loss of detail, especially		blocks or dots, pixelations) to appear on your screen. This is due to your		
during fast-motion or dark		TV's large screen and ability to show very fine detail, and is normal for		
scenes		certain digitally recorded programs. Adjust the reality/clarity in the DRC Palette menu (see page 73) to optimize the picture while viewing these sources.		
		00.000		

Audio

Problem	Po.	ssible Remedies
Good picture,		Press MUTING so that Muting disappears from the screen (see page 48).
no sound		Make sure the Speaker option is set to On in the Audio Menu (see page 75).
Cannot gain enough volume		Increase the volume of the cable box using the cable box's remote control.
when using a cable box		Then press TV FUNCTION and adjust the TV's volume.
Sound seems weak or		The TV's audio might be set to Auto SAP or Mono, when it might be better set
insufficient		to Stereo. In the Audio Menu (see page 74), set the MTS setting to Stereo. If
		already set to Stereo, switch to Mono (which may reduce background noise
		during weak stereo broadcasts).
Cannot raise the volume on		If the Speaker option is set to Off and the Audio Out option is set to Fixed (in
external audio speakers		order to output the sound to your audio system) use your audio receiver to
		adjust the sound (see page 74). Or, to use the TV remote control, set the
		Audio Out option to Variable.
		To turn on the TV speakers, set the Speaker option to On (see page 74).

Channels

Problem	Po.	ssible Remedies
Cannot receive upper		Change the Cable option to Off (see page 78).
channels (UHF) when		Use Auto Program in the Channel Menu to add receivable channels that are
using an antenna		not presently in the TV's memory (see page 78).
TV is fixed to one channel		Use Auto Program in the Channel Menu to add receivable channels that are
		not presently in the TV's memory (see page 78).
		Check your Channel Fix settings (see page 78).
Cannot receive any		Use Auto Program in the Channel Menu to add receivable channels that are
channels when using		not presently in the TV's memory (see page 78).
cable TV		Make sure the Cable option is set to On in the Channel Menu (see page 78).
Cannot receive or select		Use Auto Program in the Channel Menu to add receivable TV channels that
channels		are not presently in TV memory (see page 78).

General

Problem	Pos	ssible Remedies
How to reset TV to factory settings		Turn on the TV. While holding down the RESET button on the remote control, press the POWER button on the TV. (The TV will turn itself off, then back on again.) Release the RESET button.
How to restore Video settings to factory settings		Press the RESET button on the remote control while in the Video Menu (see page 72).
How to restore Audio settings to factory settings		Press the RESET button on the remote control while in the Audio Menu (see page 74).
Cannot cycle through the other video equipment connected to the TV		Be sure the Video Label option is not set to Skip (see page 84).
Cannot operate Menu		If a menu option appears in gray, this indicates that the TV is in a state in which the menu option is not available.
Lost password		In the password screen (see page 80), enter the following master password: 4357. The master password clears your previous password; it cannot be used to temporarily unblock channels.
LED on front panel is lit		The STAND BY LED (see page 14) blinks when the TV is turned on, then shuts off when the picture is displayed. If the LED blinks continuously, this may indicate the TV needs service.
		The TIMER LED (see page 14) indicates that the timer is set. When the timer is set, this LED will remain lit even when the TV is turned off.

Specifications

Projection System	3 picture tubes, 3 lenses, horizontal in-line system			
Picture Tube	7-inch high-brightness monochrome tubes (6.3 raster size), with o			
	coupling and liquid cooling system			
Projection Lenses	High performance, large			
	diameter hybrid lens F1.1			
Antenna	75 ohm external terminal for	VHF/UHF		
Television System	NTSC, American TV Standa	rd		
Channel Coverage	VHF	2-13		
	UHF	14-69		
	CATV	1-125		
Power Requirements	120V, 60 Hz			
Inputs/Outputs				
DVI-HDTV	1 terminal, 3.3V T.M.D.S., 50	ohms		
	The DVI-HDTV input termin	nal is compliant with the EIA-861 standard and is		
	not intended for use with pe	rsonal computers.		
Video (IN)	4 total (1 on front panel)	1 Vp-p, 75 ohms unbalanced, sync negative		
S Video (IN)	3 total (1 on front panel)	Y: 1 Vp-p, 75 ohms unbalanced, sync negative C: 0.286 Vp-p (Burst signal), 75 ohms		
Audio (IN)	7 total (1 on front panel)	500 mVrms (100% modulation)		
		Impedance: 47 kilohm		
Component Video Input	2 (Y, P _B , P _R)	Y: 1.0 Vp-p, 75 ohms unbalanced, sync		
		negative; P_B : 0.7 Vp-p, 75 ohms		
		P _R : 0.7 Vp-p, 75 ohms		
CONTROL S (IN/OUT)	1			
Variable/Fixed Audio (OUT)	1	More than 408 mVrms at the maximum		
		volume setting (Variable)		
		More than 408 mVrms (Fixed)		
		Impedance (output): 2 kilohms		
Supplied Accessories	Remote Control	RM-Y188		
	AA (R6) Batteries	2 supplied for remote control		
Screen Size (measured diagonally)	KP-57WV600/700	57 inches		
	KP-65WV600/700	65 inches		
Speaker Output	20W x 2			
Dimensions (W x H x D)	KP-57WV600/700	1361 x 1394 x 689 mm		
		$(53 \ ^{5}/8 \times 54 \ ^{15}/_{16} \times 27 \ ^{1}/8 \text{ in})$		
	KP-65WV600/700	1542 x 1516 x 735 mm		
		$(60 {}^{3}/4 \times 59 {}^{3}/4 \times 28 {}^{15}/_{16} \text{in})$		
Mass	KP-57WV600/700	98Kg (216 lbs)		
	KP-65WV600	136Kg (300 lbs)		
	KP-65WV700	134Kg (295 lbs)		
Power Consumption	In Use	295 W		
1	In Standby	Under 1 W		
		are subject to change without notice.		

Design and specifications are subject to change without notice.

Optional Accessories

- A/V Cable (VMC-810/820/830 HG)
- □ Audio Cable (RKC-515HG)
- □ Component Video Cable (VMC-10/30 HG)
- □ Control S Cable (RK-G69HG)
- Memory Stick media: 8 MB (MSA-8A); 16 MB (MSA-16A); 32
 MB (MSA-32A); 64 MB (MSA-64A); 128 MB (MSA-128A)

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Twin View

described 10 using 59–61 Twin View button 49

SERVICE MANUAL

DA-4X CHASSIS

MODEL NAME	REMOTE COMMANDER	<u>DESTINATION</u>	CHASSIS NO.
KP-57WV600	RM-Y188	US/CND	SCC-P92D-A
<i>KP-57WV700</i>	RM-Y188	US/CND	SCC-P92B-A
<i>KP-65WV600</i>	RM-Y188	US/CND	SCC-P92C-A
KP-65WV700	RM-Y188	US/CND	SCC-P92A-A

CORRECTION-1

SUBJECT: EXPLODED VIEW COVER DIAGRAMS

Correct the service manual as shown. File this Correction with the service manual.

: Corrected Item

Section 6: Exploded View

6-1. COVER (KP-57WV600/57WV700 ONLY) (Page 107)

6-2. COVER (KP-65WV600/65WV700 ONLY) (Page 108)

COLOR REAR VIDEO PROJECTOR
SONY

SECTION 6: EXPLODED VIEWS

Components not identified by a part number or description are not stocked because they are seldom required for routine service.

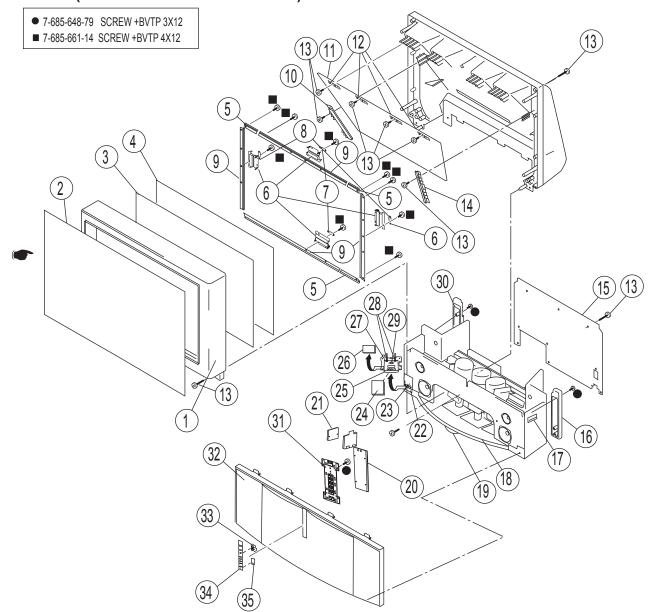
The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram.

* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-1. COVER (KP-57WV600/57WV700 0NLY)

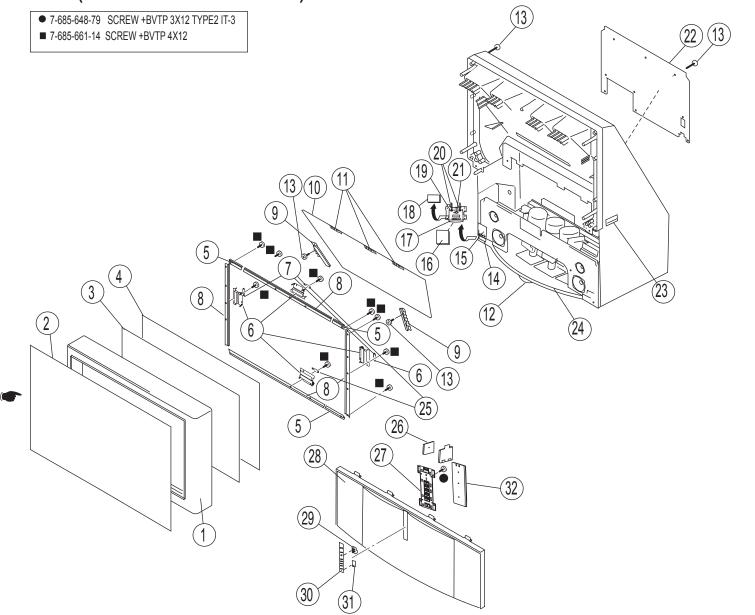


KP-57WV600/57WV700/ 65WV600/65WV700

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
1	X-4040-450-1	BEZNET ASSY	18	4-088-631-01	SKIRT, FRONT
		KP-57WV600 ONLY			KP-57WV600 ONLY
1	X-4040-448-1	BEZNET ASSY	18	4-088-603-01	SKIRT, FRONT
		KP-57WV700 ONLY			KP-57WV700 ONLY
2	A-1603-725-A	CONTRAST SCREEN ASSY	19	4-075-020-01	FOOT, PLASTIC
		KP-57WV600 ONLY	20	* A-1400-748-A	HA MOUNT
2	A-1603-723-A	CONTRAST SCREEN ASSY			
		KP-57WV700 ONLY	21	* A-1300-323-A	HM COMPLETE PC BOARD
3	4-088-638-11	PLATE, DIFFUSION (WL)	22	4-088-572-01	LABEL, INPUT TERMINAL
		KP-57WV600 ONLY	23	4-088-569-01	BRACKET, INPUT TERMINAL
			24	4-088-571-01	PLATE, INPUT TERMINAL
3	4-088-611-11	PLATE, DIFFUSION (WL)	25	3-973-975-41	DAMPER, OIL
		KP-57WV700 ONLY			
4	4-088-637-11	PLATE, DIFFUSION (WF)	26	* A-1400-747-A	HB MOUNT
		KP-57WV600 ONLY	27	4-088-570-01	COVER, INPUT TERMINAL
4	4-088-610-11	PLATE, DIFFUSION (WF)	28	4-088-573-01	SPRING
		KP-57WV700 ONLY	29	4-047-464-01	CATCHER, PUSH
5 *	4-089-180-01	HOLDER, SCREEN SHORT			
6 *	A-1400-759-A	SR MOUNT	30	* 4-088-629-01	PANEL L, SIDE
7	4 000 400 04	CHOUNCA COREEN	20	* 4 000 000 04	KP-57WV600 ONLY
7	4-088-460-21	CUSHION, SCREEN	30	* 4-088-606-01	PANEL (L), SIDE
8	4-088-460-31	CUSHION, SCREEN	04	4 000 000 04	KP-57WV700 ONLY
9 *	4-088-461-01	HOLDER, SCREEN	31	4-088-622-01	BUTTON
10 *	4-088-600-01	HOLDER (L), MIRROR	04	4 000 505 04	KP-57WV600 ONLY
11	4-088-598-01	MIRROR	31	4-088-585-01	BUTTON KP-57WV700 0NLY
12 *	4-081-501-01	HOLDER, MIRROR			NI -57 WV 7 00 OINET
13	4-081-063-01	SCREW,DOME WASHER HEX TAP 4X20	32	X-4040-323-1	GRILLE ASSY, SPEAKER
14 *		HOLDER (R), MIRROR	32	7-4040-020-1	KP-57WV600 ONLY
15 *	4-088-115-01	BOARD, REAR	32	X-4040-326-1	GRILLE ASSY, SPEAKER
10	4 000 110 01	KP-57WV600 ONLY	02	X 4040 020 1	KP-57WV700 ONLY
15 *	4-091-605-01	BOARD, REAR	33	4-088-588-01	GUIDE, LED
10	1 001 000 01	KP-57WV700 ONLY		1 000 000 01	00102, 220
		NI OTTOTO ONE!	34	4-088-621-01	PANEL, CONTROL
16 *	4-088-630-01	PANEL R, SIDE		1 000 021 01	KP-57WV600 ONLY
10	1 000 000 01	KP-57WV600 ONLY	34	4-088-584-01	PANEL, CONTROL
16 *	4-088-607-01	PANEL (R), SIDE		. 555 561 01	KP-57WV700 ONLY
.•	. 555 507 51	KP-57WV700 ONLY	35	4-088-586-01	GUIDE, LED
17 *	4-088-541-01	HANDLE		. 555 555 51	
	1 000 011 01				

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-2. COVER (KP-65WV600/65WV700 0NLY)



REF.NO.	PART NO.	DESCRIPTION	REF.NO.		PART NO.	DESCRIPTION
1	X-4040-449-1	BEZNET ASSY	17		3-973-975-41	DAMPER, OIL
		KP-65WV600 ONLY	18	*	A-1400-747-A	HB MOUNT
1	X-4040-447-1	BEZNET ASSY	19		4-088-570-01	COVER, INPUT TERMINAL
		KP-65WV700 ONLY	20		4-088-573-01	SPRING
2	A-1603-724-A	CONTRAST SCREEN ASSY	21		4-047-464-01	CATCHER, PUSH
		KP-65WV600 ONLY				
2	A-1603-722-A	CONTRAST SCREEN ASSY	22	*	4-088-575-01	BOARD, REAR
		KP-65WV700 ONLY	23	*	4-088-541-01	HANDLE
3	4-088-627-11	PLATE, DIFFUSION (WL)	24		4-088-620-01	SKIRT, FRONT
		KP-65WV600 ONLY				KP-65WV600 ONLY
3	4-088-594-11	PLATE, DIFFUSION (WL)	24		4-088-574-01	SKIRT, FRONT
		KP-65WV700 ONLY				KP-65WV700 ONLY
4	4-088-626-11	PLATE, DIFFUSION (WF)	25		4-088-460-01	CUSHION, SCREEN
		KP-65WV600 ONLY	26	*	A-1300-323-A	HM COMPLETE PC BOARD
4	4-088-596-11	PLATE, DIFFUSION (WF)	27		4-088-622-01	BUTTON
		KP-65WV700 ONLY				KP-65WV600 ONLY
5 *	4-089-179-01	HOLDER, SCREEN SHORT	27		4-088-585-01	BUTTON
6 *	A-1400-759-A	SR MOUNT				KP-65WV700 0NLY
7	4-088-460-11	CUSHION, SCREEN	28		X-4040-321-1	GRILLE ASSY, SPEAKER
8 *	4-088-461-01	HOLDER, SCREEN				KP-65WV600 ONLY
9	4-088-579-01	HOLDER, MIRROR SLIDE	28		X-4040-325-1	GRILLE ASSY, SPEAKER
10 *	+ 000 011 01	MIRROR				KP-65WV700 ONLY
11 *	4-088-580-01	HOLDER, MIRROR BASE	29		4-088-588-01	GUIDE, LED
			30		4-088-621-01	PANEL, CONTROL
12	4-075-020-01	FOOT, PLASTIC				KP-65WV600 ONLY
13	4-081-063-01	SCREW, DOME WASHER HEX TAP 4 X 20	30		4-088-584-01	PANEL, CONTROL
14	4-088-572-01	LABEL, INPUT TERMINAL				KP-65WV700 0NLY
15	4-088-569-01	BRACKET, INPUT TERMINAL	31		4-088-586-01	GUIDE, LED
16	4-088-571-01	PLATE, INPUT TERMINAL	32	*	A-1400-748-A	HA MOUNT

SERVICE MANUAL

DA-4X CHASSIS

MODEL NAME	REMOTE COMMANDER	<u>DESTINATION</u>	CHASSIS NO.
KP-57WV600	RM-Y188	US/CND	SCC-P92D-A
<i>KP-57WV700</i>	RM-Y188	US/CND	SCC-P92B-A
<i>KP-65WV600</i>	RM-Y188	US/CND	SCC-P92C-A
KP-65WV700	RM-Y188	US/CND	SCC-P92A-A

CORRECTION-2

SUBJECT: EXPLODED VIEW COVER PART NUMBERS

Correct the service manual as shown. File this Correction with the service manual.

: Corrected Item

Section 6: Exploded View

6-1. COVER (KP-57WV600/57WV700 ONLY) (Page 107)

INCORRECT CORRECT REF. NO. PART NO. **DESCRIPTION** REF. NO. PART NO. **DESCRIPTION** 15 4-088-115-01 BOARD, REAR 4-091-115-01 BOARD, REAR KP-57WV600 ONLY KP-57WV600 ONLY 4-091-605-01 BOARD, REAR 4-088-605-01 BOARD, REAR KP-57WV700 ONLY KP-57WV700 ONLY NOT LISTED 4-088-599-01 COVER (57), MIRROR

COLOR REAR VIDEO PROJECTOR
SONY

SECTION 6: EXPLODED VIEWS

Components not identified by a part number or description are not stocked because they are seldom required for routine service.

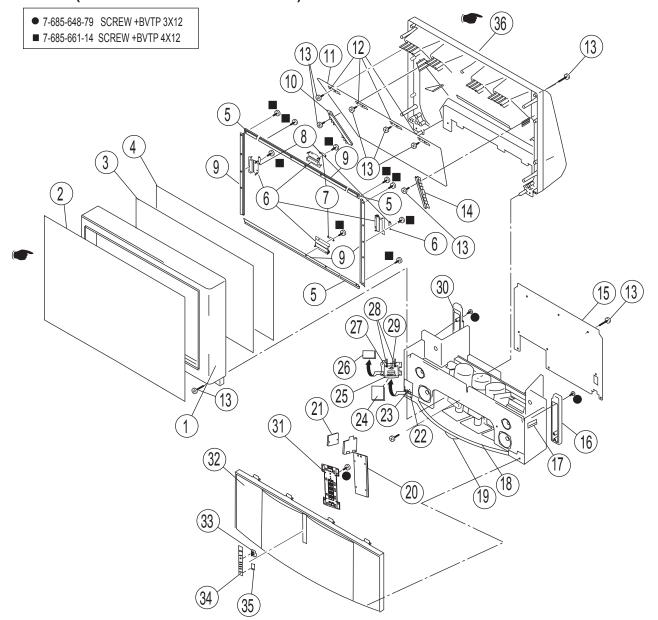
The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram.

* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-1. COVER (KP-57WV600/57WV700 0NLY)



KP-57WV600/57WV700/ 65WV600/65WV700

REF.N	IO. PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
1	X-4040-450-1	BEZNET ASSY	18	4-088-631-01	SKIRT, FRONT
1	X-4040-448-1	KP-57WV600 ONLY BEZNET ASSY	18	4-088-603-01	KP-57WV600 ONLY SKIRT, FRONT
I	A-4040-440-1	KP-57WV700 ONLY	10	4-000-003-01	KP-57WV700 ONLY
2	A-1603-725-A	CONTRAST SCREEN ASSY	19	4-075-020-01	FOOT, PLASTIC
2	A-1000-725-A	KP-57WV600 ONLY	20	* A-1400-748-A	HA MOUNT
2	A-1603-723-A	CONTRAST SCREEN ASSY	20	A-1400-140-A	HAMOUNT
2	A-1000-120-A	KP-57WV700 ONLY	21	* A-1300-323-A	HM COMPLETE PC BOARD
3	4-088-638-11	PLATE, DIFFUSION (WL)	22	4-088-572-01	LABEL, INPUT TERMINAL
O	4 000 000 11	KP-57WV600 ONLY	23	4-088-569-01	BRACKET, INPUT TERMINAL
		IN STATES CIVET	24	4-088-571-01	PLATE, INPUT TERMINAL
3	4-088-611-11	PLATE, DIFFUSION (WL)	25	3-973-975-41	DAMPER, OIL
v	1 000 0 11 11	KP-57WV700 ONLY		0 010 010 11	57 mm 214, 012
4	4-088-637-11	PLATE, DIFFUSION (WF)	26	* A-1400-747-A	HB MOUNT
		KP-57WV600 ONLY	27	4-088-570-01	COVER, INPUT TERMINAL
4	4-088-610-11	PLATE, DIFFUSION (WF)	28	4-088-573-01	SPRING
		KP-57WV700 ONLY	29	4-047-464-01	CATCHER, PUSH
5	* 4-089-180-01	HOLDER, SCREEN SHORT			
6	* A-1400-759-A	SR MOUNT	30	* 4-088-629-01	PANEL L, SIDE
					KP-57WV600 ONLY
7	4-088-460-21	CUSHION, SCREEN	30	* 4-088-606-01	PANEL (L), SIDE
8	4-088-460-31	CUSHION, SCREEN			KP-57WV700 ONLY
9	* 4-088-461-01	HOLDER, SCREEN	31	4-088-622-01	BUTTON
10	* 4-088-600-01	HOLDER (L), MIRROR			KP-57WV600 ONLY
11	4-088-598-01	MIRROR	31	4-088-585-01	BUTTON
					KP-57WV700 0NLY
12	* 4-081-501-01	HOLDER, MIRROR			
13	4-081-063-01	SCREW,DOME WASHER HEX TAP 4X20	32	X-4040-323-1	GRILLE ASSY, SPEAKER
14	* 4-088-601-01	HOLDER (R), MIRROR			KP-57WV600 ONLY
15	* 4-091-115-01	BOARD, REAR	32	X-4040-326-1	GRILLE ASSY, SPEAKER
		KP-57WV600 ONLY			KP-57WV700 ONLY
15	* 4-088-605-01	BOARD, REAR	33	4-088-588-01	GUIDE, LED
		KP-57WV700 ONLY			
			34	4-088-621-01	PANEL, CONTROL
16	* 4-088-630-01	PANEL R, SIDE			KP-57WV600 ONLY
		KP-57WV600 ONLY	34	4-088-584-01	PANEL, CONTROL
16	* 4-088-607-01	PANEL (R), SIDE			KP-57WV700 0NLY
4-		KP-57WV700 ONLY	35	4-088-586-01	GUIDE, LED
17	* 4-088-541-01	HANDLE		+ 4000 500 51	OOVER (ET) MIRROR
			36	* 4-088-599-01	COVER (57), MIRROR

SERVICE MANUAL

DA-4X CHASSIS

MODEL NAME	REMOTE COMMANDER	<u>DESTINATION</u>	CHASSIS NO.
KP-57WV600	RM-Y188	US/CND	SCC-P92D-A
<i>KP-57WV700</i>	RM-Y188	US/CND	SCC-P92B-A
<i>KP-65WV600</i>	RM-Y188	US/CND	SCC-P92C-A
KP-65WV700	RM-Y188	US/CND	SCC-P92A-A

SUPPLEMENT - 1

SUBJECT: REPLACED BOARDS, UPDATED PART NUMBERS

Correct the service manual as shown. File this Supplement with the service manual.

: Corrected Item

Section 5: Diagrams

Replaced MS1 Board with BM1C Board (Page 85-87)

Updated AD Board Schematic (Page 91-92)

Updated D Board Schematic and PWB (Page 94-96)

Section 6: Exploded View

6-1. COVER (KP-57WV600/57WV700 ONLY) (Page 107)

6-3. CHASSIS (Page 109)

6-4. PICTURE TUBE (Page 110)

Section 7: Parts List

Replaced MS1 Board with BM1C Board (Page 134)

Updated AD Board (Page 141) Updated D Board (Page 145)

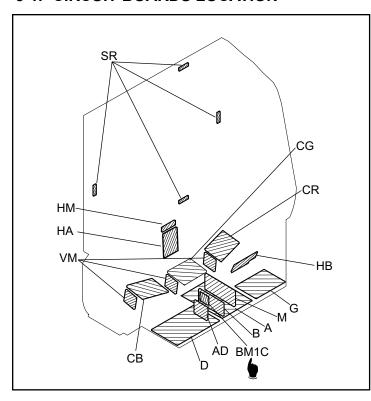
Updated Accessories and Packaging (Page 163)

COLOR REAR VIDEO PROJECTOR



SECTION 5: DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



5-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in μF unless otherwise noted. pF : $\mu \mu F$ 50WV or less are not indicated except for electrolytics and tantalums.

All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms. K=1000, M=1000k

Indication of resistance, which does not have one for rating electrical power, is as follows: Pitch: 5mm

Rating electrical power: 1/4 W

¹/₄W in resistance, ¹/₁₀W and ¹/₈W in chip resistance.

: nonflammable resistor.

: fusible resistor.

 Δ : internal component.

: panel designation and adjustment for repair.

上: earth ground

++ : earth-chassis

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a NTSC color-bar signal input.

Readings are taken with a 10M digital multimeter.

Voltages are DC with respect to ground unless otherwise noted.

Voltage variations may be noted due to normal production tolerances.

All voltages are in V.

S: Measurement impossibillity.

: B+ line

: B-line. (Actual measured value may be different).

: signal path. (RF)

Circled numbers are waveform references.

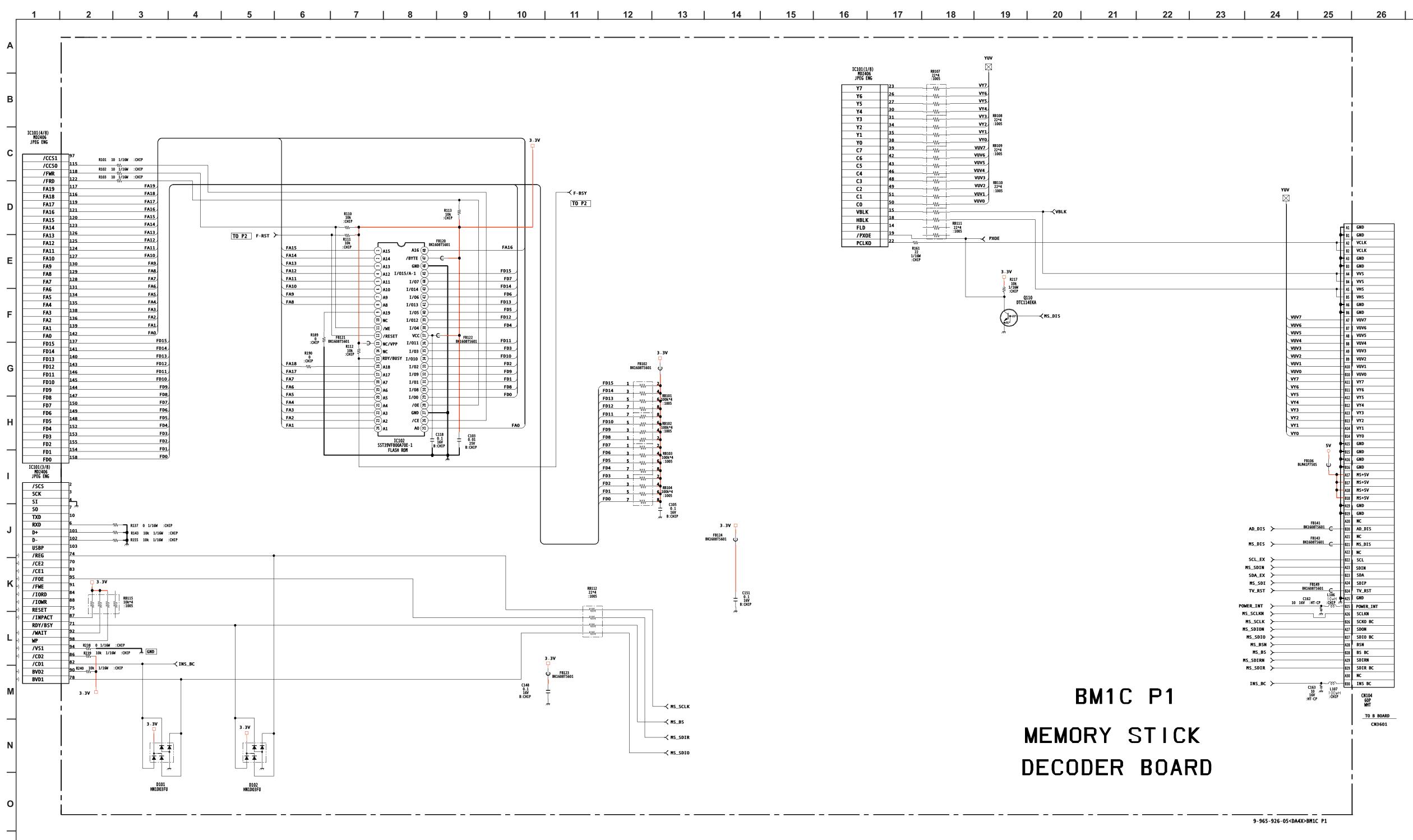
The components identified by \blacksquare in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be necessary, replace only with the value originally used.

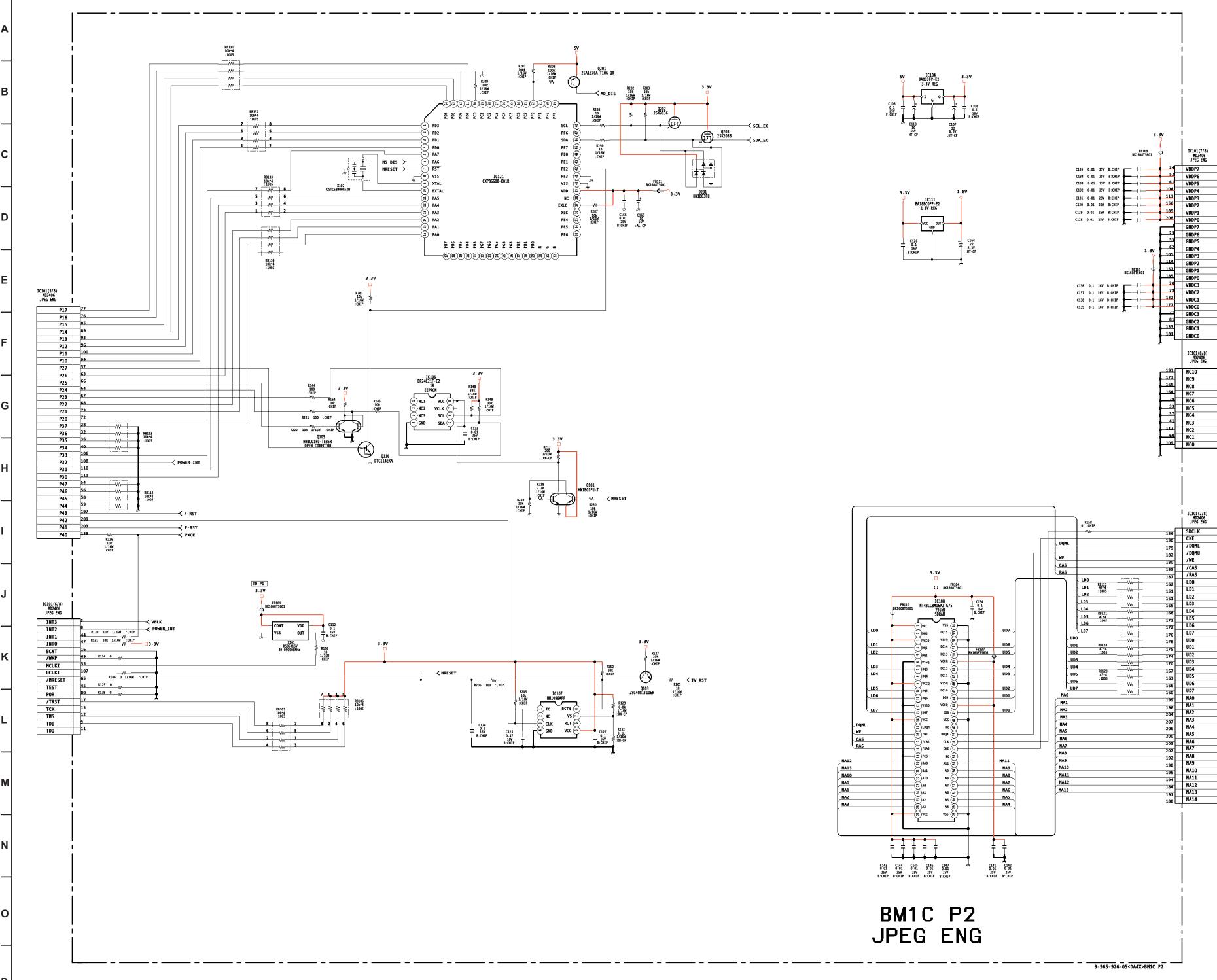
When replacing components identified by \square , make the necessary adjustments as indicated. If the results do not meet the specified value, change the component identified by \square and repeat the adjustment until the specified value is achieved.

(Refer to adjustments in Sections 3-1 and 3-2.)

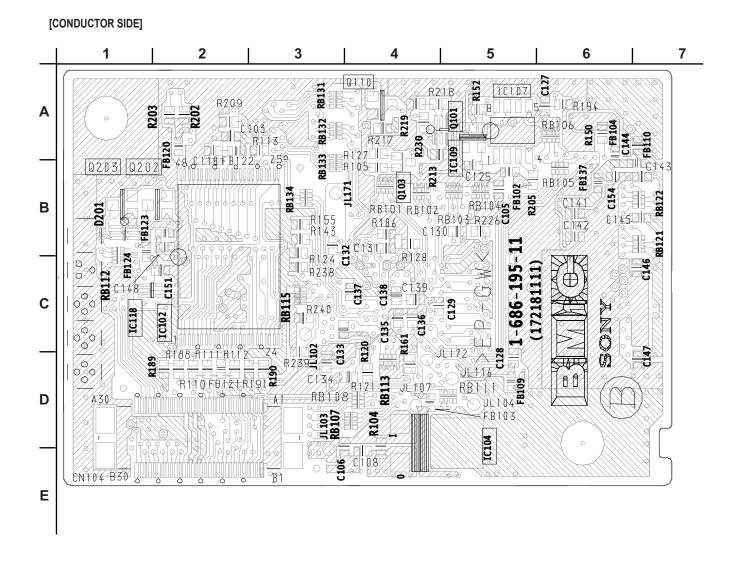
When replacing the parts listed in the table below, it is important to perform the related adjustments.

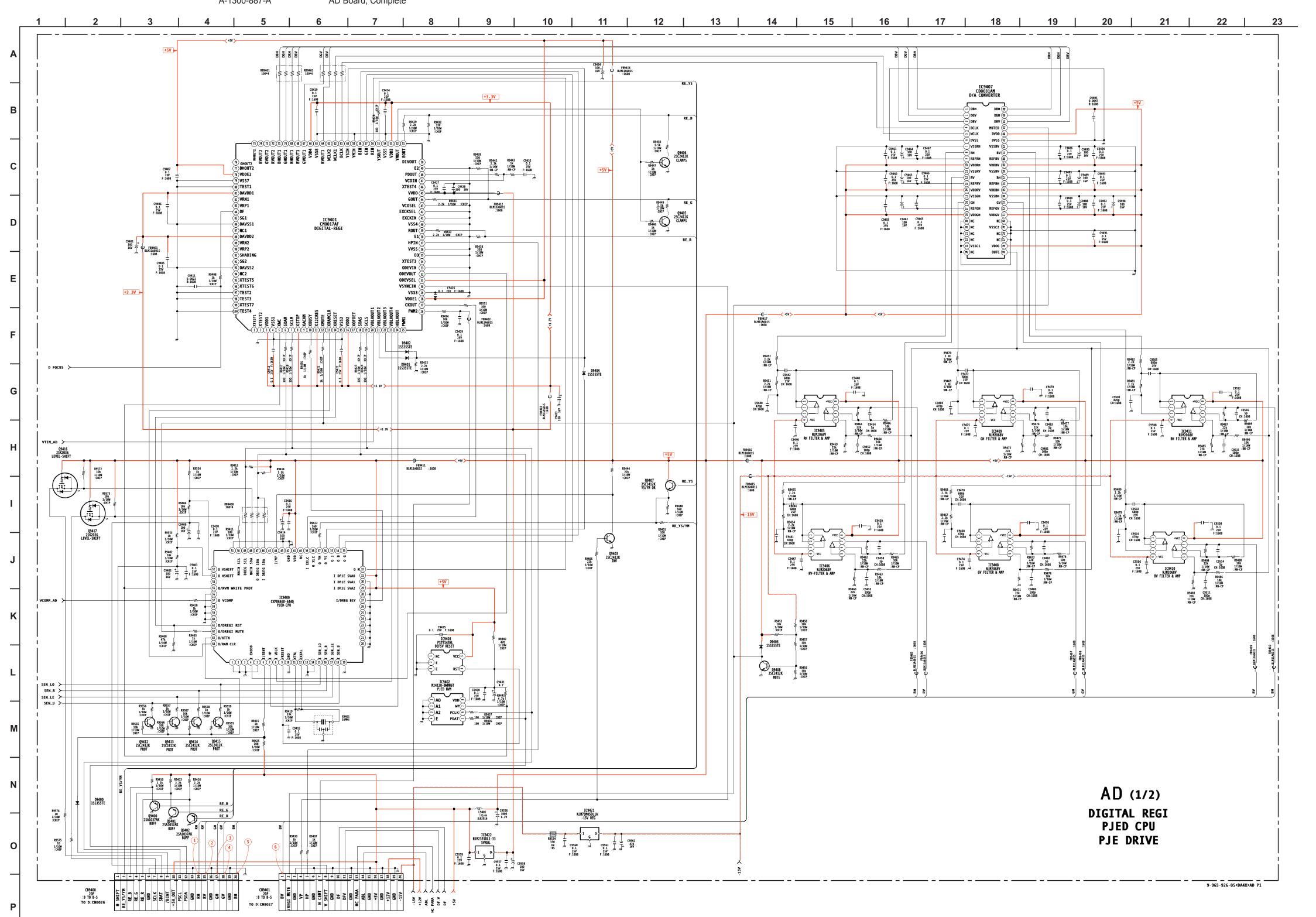
Part Replaced (☑)	Adjustment (█)
A BOARD: HV Block, T8005 (FBT), T8004 (LOT), R8129, D8038, R8128, C8129, R8223, R8102, R8230, R8055, R8153, C8083, R8139, C8079, D8051, D8013, R8140, D8043, R8163, C8090, D8015. R8142, R8131, Q8021, IC8006, D Board	HV REGULATOR VR8001
A BOARD: HV Block, T8005 (FBT), T8004 (LOT), C8123, C8124, Q8043, Q8035, C8104, R8171, D8036, R8043, R8035, C8088, C8086, R8159, D8022, C8054, R8166, C8100, IC8008, D8019, D8020, R8201, C8118, D8028, R8196, FB8001, D Board	HV HOLD DOWN VR8002



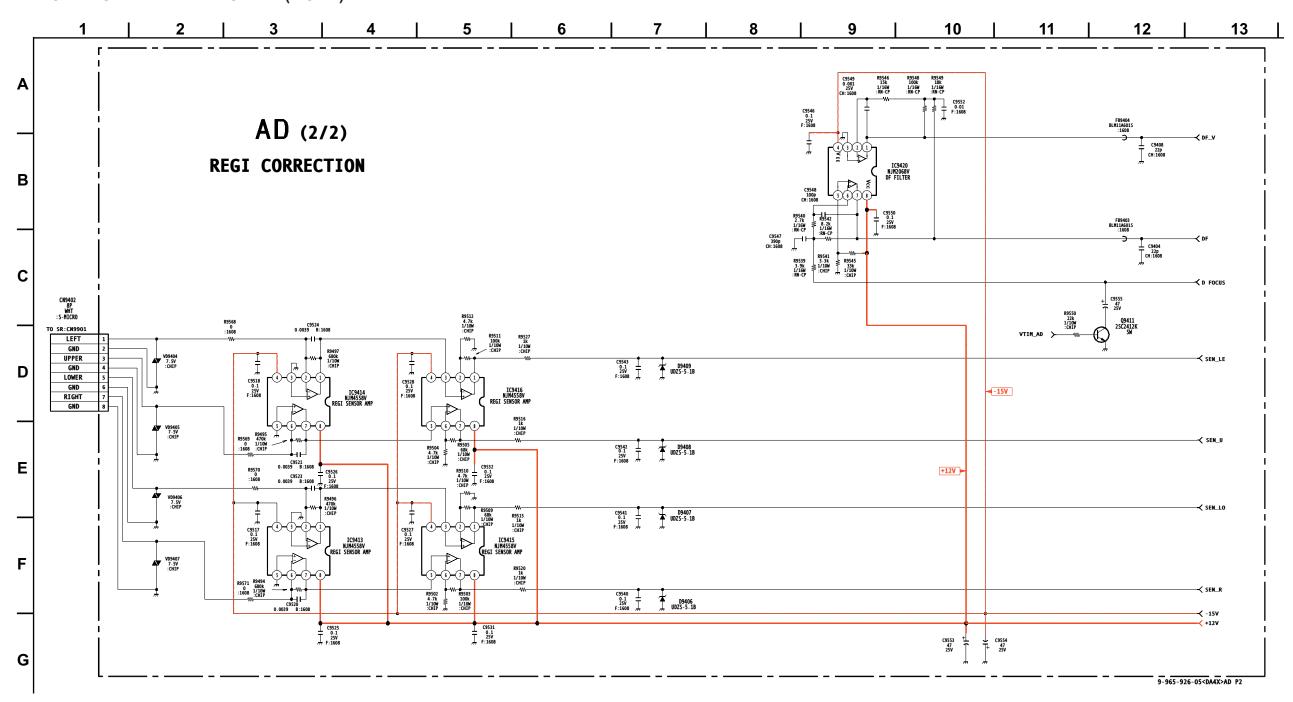


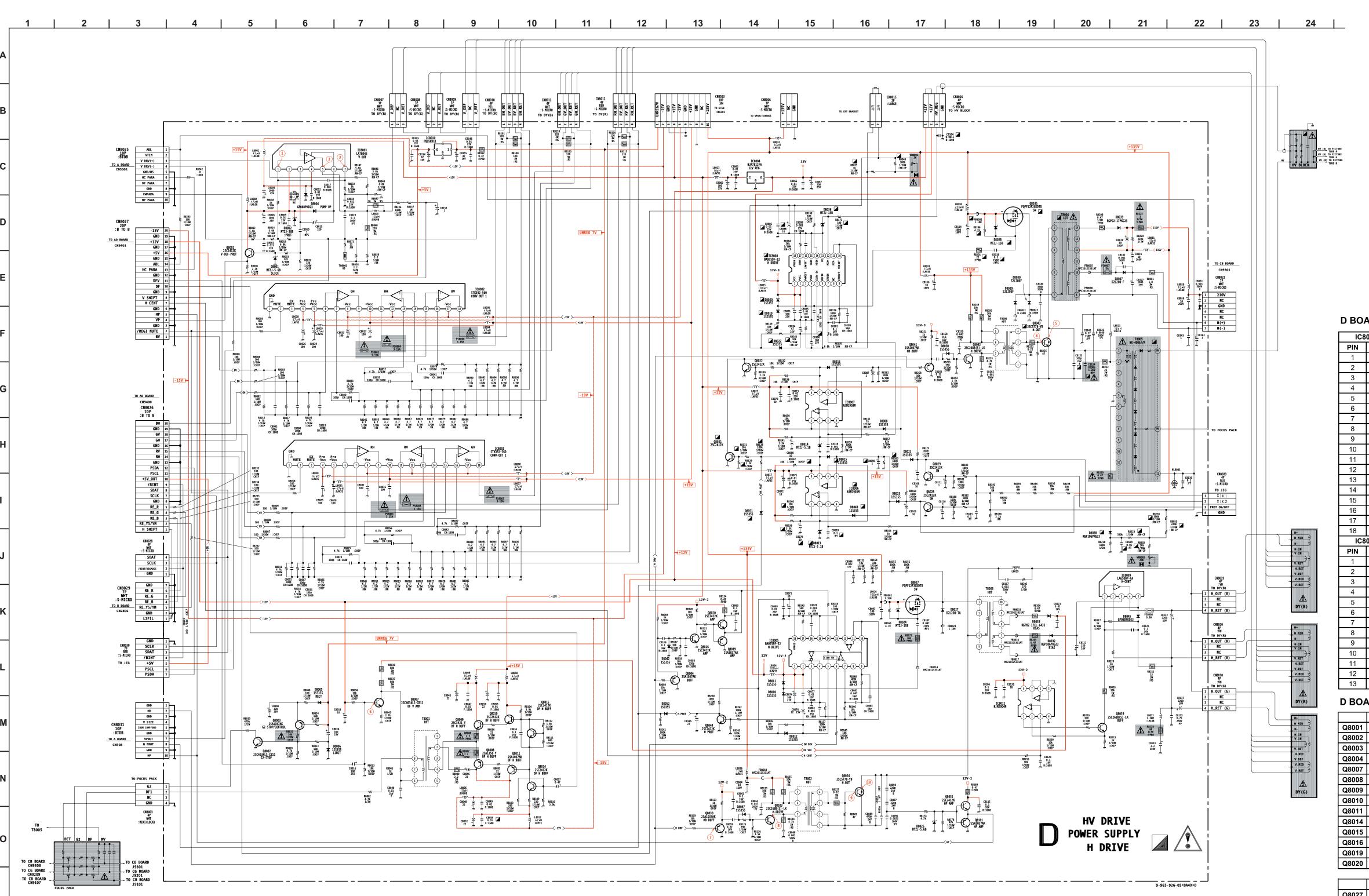






AD BOARD SCHEMATIC DIAGRAM (2 OF 2)





D BOARD WAVEFORMS						
1	2					
500 mVp-p (V)	53.2 Vp-p (V)					
3	4					
500 mVp-p (V)	14.7 Vp-p (H)					
5	6					
	\ \ \ \ \ \					
940 Vp-p (H)	6.5 Vp-p (V)					
7	8					
3.5 Vp-p (H)	104 Vp-p (H)					
9	10					
	//					
7.6 Vp-p (H)	1030 Vp-p (H)					

D BOARD IC VOLTAGE LIST

IC8	001	14	0.3	15	GND	10	7.4
PIN	VOLT	15	0	16	3.2	11	7.4
1	GND	16	0	17	2.6	12	7.4
2	4.3	17	-22	18	9.1	13	GND
3	N/C	18	0.1	IC8	3006	14	7.1
4	-22.0	IC8	003	PIN	VOLT	15	GND
5	22.0	PIN	VOLT	1	0.1	16	3.2
6	-0.3	1	1.3	2	5.0	17	2.6
7	-0.3	2	15.0	3	4.5	18	9.1
8	-22.0	3	-13.1	4	GND	IC8	009
9	-0.5	4	-15.0	5	0.0	PIN	VOLT
10	22.0	5	0.4	6	5.0	1	98.2
11	0.1	6	15.0	7	0.1	2	98.2
12	-22.0	7	1.3	8	15.0	3	94.0
13	0.0	IC8	004	IC8	3007	4	97.8
14	0.0	PIN	VOLT	PIN	VOLT	5	101.1
15	0.0	I	15.0	1	0.1	IC8	010
16	0.0	0	12.0	2	5.0	PIN	VOLT
17	-22.0	G	GND	3	4.0	I	7.0
18	0.1	IC8	005	4	GND	0	5.0
IC8	002	PIN	VOLT	5	0.0	G	GND
PIN	VOLT	1	12.0	6	5.0	IC8	012
1	GND	2	12.0	7	0.1	PIN	VOLT
2	4.3	3	5.8	8	15.0	1	2.7
3	N/C	4	GND	IC8	8008	2	2.1
4	-22.0	5	7.9	PIN	VOLT	3	2.1
5	22.0	6	3.8	1	12.0	4	GND
6	-0.1	7	3.8	2	12.0	5	GND
7	-0.1	8	N/C	3	6.0	6	0.0
8	-22.0	9	3.8	4	GND	7	0.0
9	0.0	10	3.6	5	8.0	8	12.0
10	22.0	11	3.6	6	7.4	All voltages	are in V.
11	0.5	12	3.6	7	7.4]	
12	-22.0	13	GND	8	N/C]	
13	0.3	14	7.1	9	3.3	1	

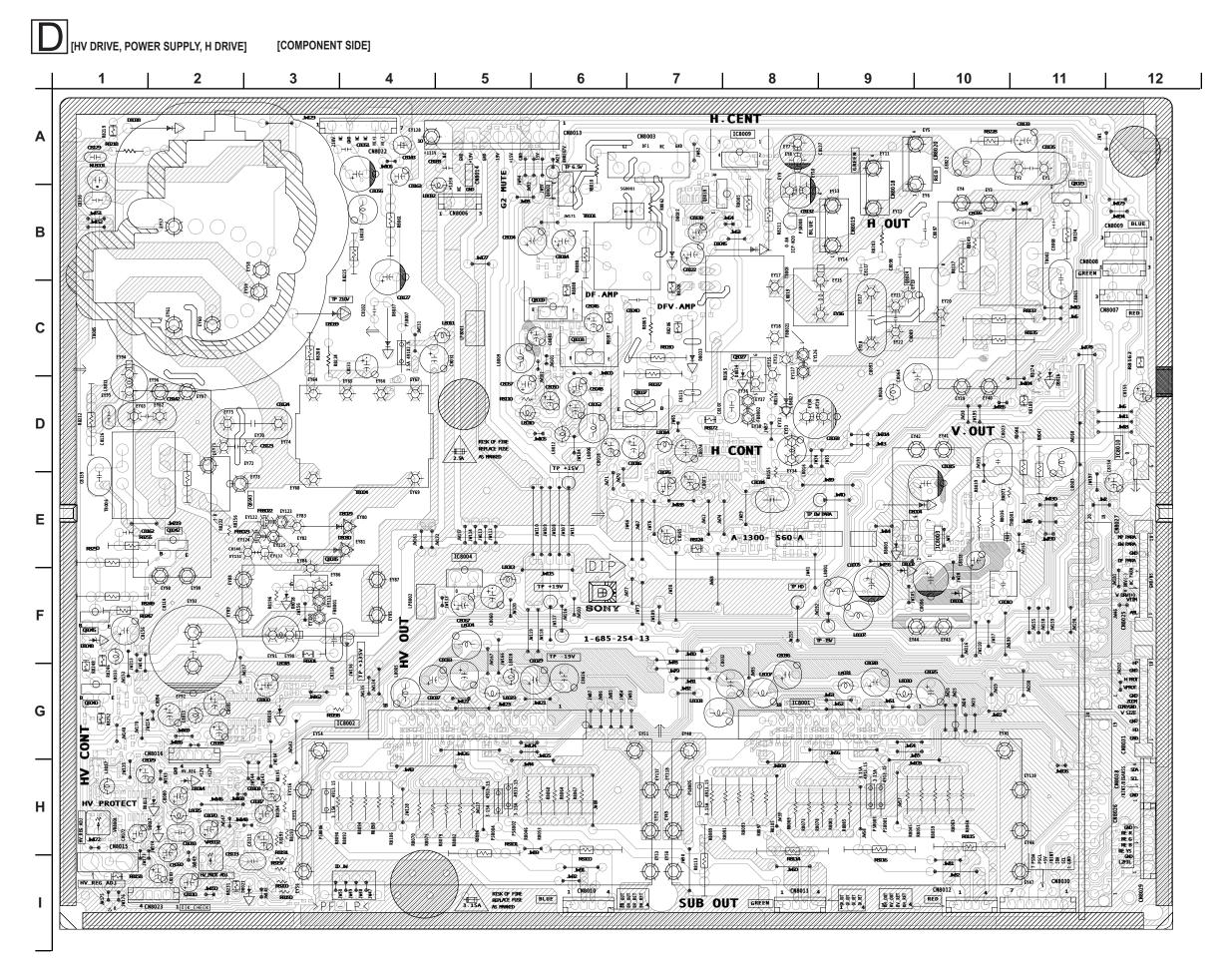
D BOARD TRANSISTOR VOLTAGE LIST

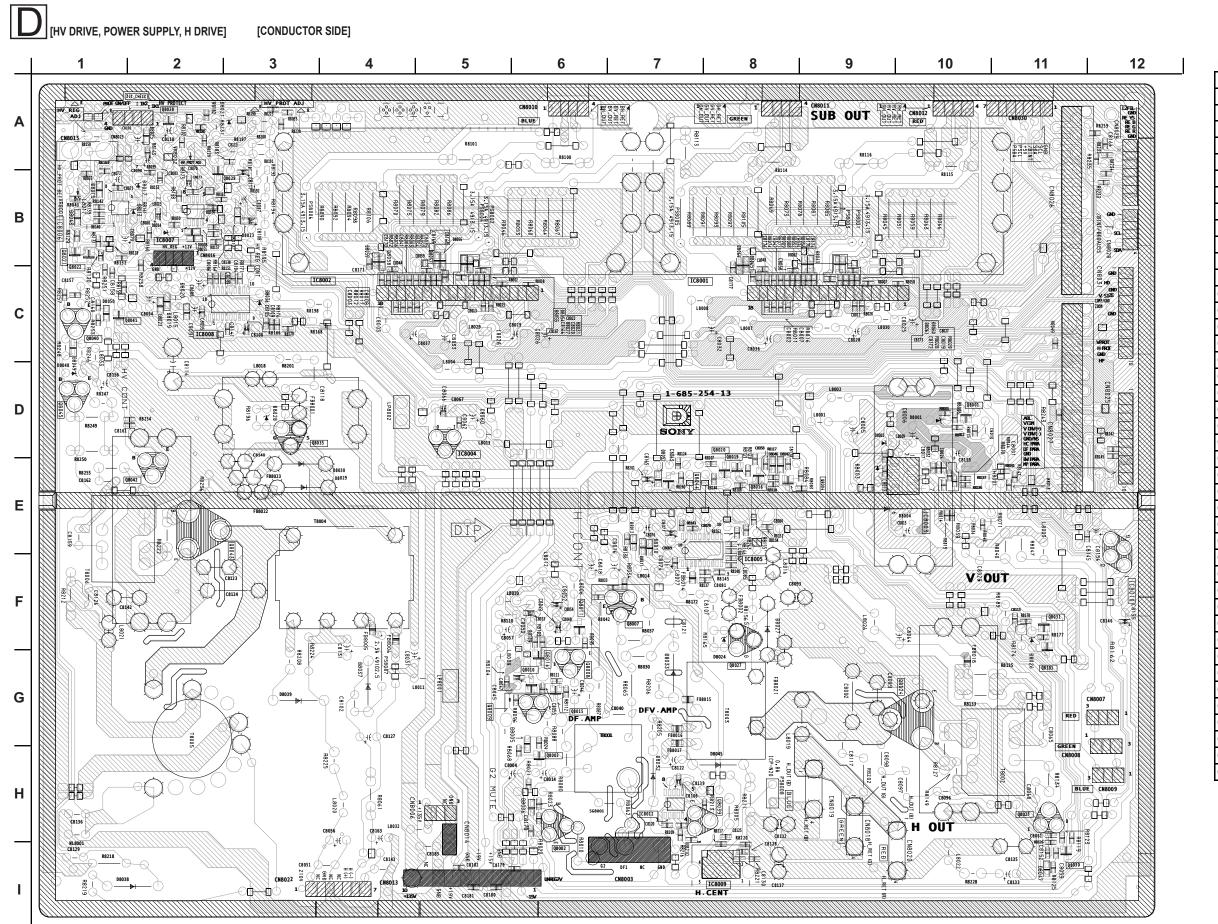
	ם	٥			D	٥	ᄃ
Q8001	-0.4	15.0	0.1	Q8021	0.0	8.9	GND
Q8002	0	13.0	GND	Q8022	0.0	8.9	GND
Q8003	14.6	0.0	14.6	Q8023	-0.5	68.0	GND
Q8004	3.4	GND	4.0	Q8024	0.1	242.0	GND
Q8007	5.8	204.0	5.2	Q8028	0.5	0.0	GND
Q8008	2.8	-22.0	3.3	Q8029	0.5	0.0	GND
Q8009	4.0	22.0	3.4	Q8030	3.4	GND	4.0
Q8010	4.5	22.0	4.0	Q8031	0.2	12.0	0.6
Q8011	2.3	-22.0	2.7	Q8039	2.7	76.7	2.1
Q8014	-20.0	2.3	-20.6	Q8041	3.4	GND	8.9
Q8015	2.9	4.5	2.3	Q8042	9.6	29.8	GND
Q8016	-0.3	7.4	GND	Q8043	8.9	192.0	0.1
Q8019	7.4	GND	7.2	Q8044	0.6	0.0	GND
Q8020	7.4	12.0	7.2	Q8101	0.2	GND	0.6

 D
 G
 S

 Q8027
 112.3
 131.1
 135.0
 Q8035 115.6 130.9 135.9

All voltages are in V.





D BOARD LOCATOR LIST

DOAND	LOCATO	V LIO I			
	С	DIODE			
C8001	C-7	D8001	D-10		
C8002	C-3	D8002	D-9		
C8003	E-10	D8003	D-9		
C8004	D-5	D8004	E-9		
C8005	F-8	D8005	H-5		
C8006	B-1	D8006	H-6		
C8007	B-2	D8008	B-2		
C8008	C-2	D8010	E-7		
C8009	I-8	D8011	E-7		
C8010	F-12	D8012	E-7		
C8012	H-7	D8013	B-2		
TRANSI	STOR	D8014	B-2		
28001	D-10	D8015	B-1		
28002	H-6	D8016	B-3		
28003	G-6	D8019	C-2		
Q8004	E-9	D8020	C-2		
28007	F-7	D8022	C-2		
28008	G-6	D8023	B-3		
28009	G-5	D8024	G-7		
Q8010	G-6	D8025	A-2		
Q8011	F-6	D8026	G-11		
Q8014	G-6	D8027	F-8		
Q8015	G-6	D8028	D-3		
28016	E-8	D8029	E-3		
Q8019	D-8	D8030	E-3		
28020	D-8	D8032	H-7		
Q8021	B-1	D8033	G-7		
Q8022	B-1	D8036	C-3		
Q8023	H-11	D8037	G-4		
Q8024	G-10	D8038	I-2		
Q8027	F-8	D8039	G-3		
Q8028	A-2	D8042	D-8		
Q8029	B-3	D8043	B-1		
28030	I-11	D8045	H-8		
28031	F-11	D8047	I-11		
28035	D-3	D8050	C-1		
28039	H-8	D8051	B-2		
28041	C-2	D8052	D-7		
Q8042	E-2				
Q8043	E-3				
Q8044	E-8				
Q8101	G-11				

SECTION 6: EXPLODED VIEWS

Components not identified by a part number or description are not stocked because they are seldom required for routine service.

The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram.

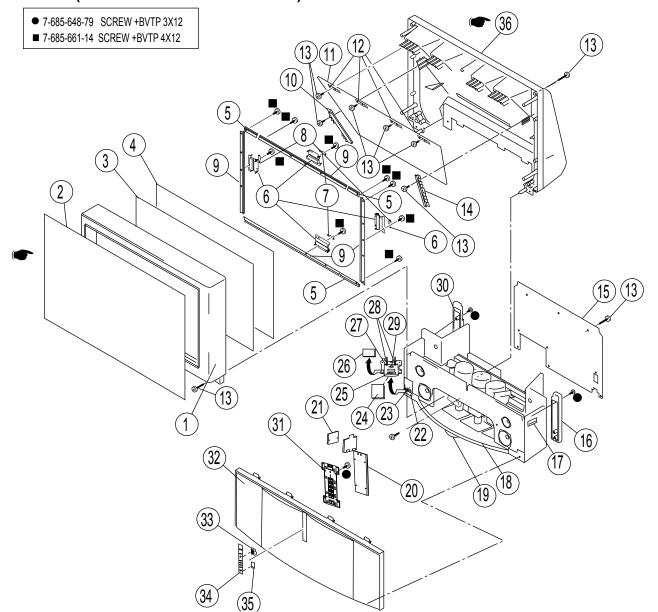
* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by shading and
mark are critical for safety.

Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-1. COVER (KP-57WV600/57WV700 0NLY)

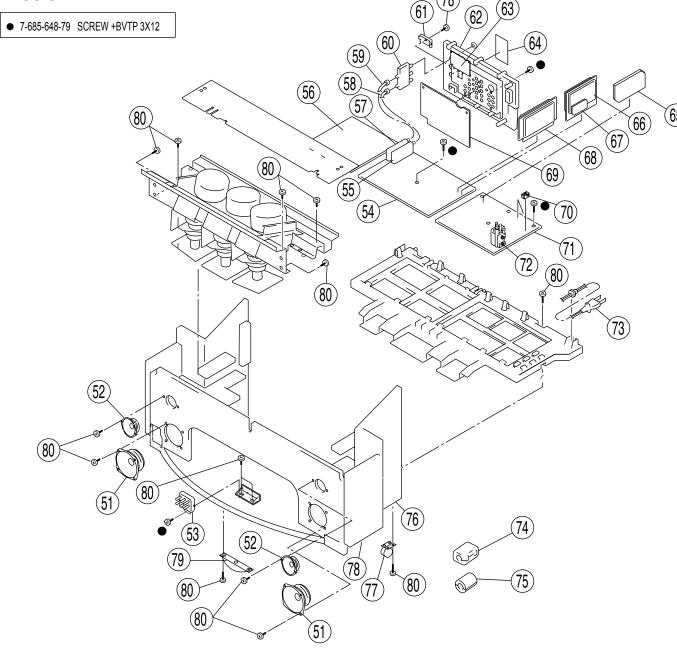


KP-57WV600/57WV700/ 65WV600/65WV700

	X-4040-450-3	BEZNET ASSY	40		
1		BEETE 171001	18	4-088-631-01	SKIRT, FRONT
1		KP-57WV600 ONLY			KP-57WV600 ONLY
	X-4040-448-3	BEZNET ASSY	18	4-088-603-01	SKIRT, FRONT
		KP-57WV700 ONLY			KP-57WV700 ONLY
2	A-1603-725-A	CONTRAST SCREEN ASSY	19	4-075-020-01	FOOT, PLASTIC
		KP-57WV600 ONLY	20	* A-1400-748-A	HA MOUNT
2	A-1603-723-A	CONTRAST SCREEN ASSY			
		KP-57WV700 ONLY	21	* A-1300-323-A	HM COMPLETE PC BOARD
3	4-088-638-11	PLATE, DIFFUSION (WL)	22	4-088-572-01	LABEL, INPUT TERMINAL
		KP-57WV600 ONLY	23	4-088-569-01	BRACKET, INPUT TERMINAL
			24	4-088-571-01	PLATE, INPUT TERMINAL
3	4-088-611-11	PLATE, DIFFUSION (WL)	25	3-973-975-41	DAMPER, OIL
		KP-57WV700 ONLY			
4	4-088-637-11	PLATE, DIFFUSION (WF)	26	* A-1400-747-A	HB MOUNT
		KP-57WV600 ONLY	27	4-088-570-01	COVER, INPUT TERMINAL
4	4-088-610-11	PLATE, DIFFUSION (WF)	28	4-088-573-01	SPRING
		KP-57WV700 ONLY	29	4-047-464-01	CATCHER, PUSH
5 *	4-089-180-01	HOLDER, SCREEN SHORT			,
	A-1400-759-A	SR MOUNT	30	* 4-088-629-01	PANEL L, SIDE
					KP-57WV600 ONLY
7	4-088-460-21	CUSHION, SCREEN	30	* 4-088-606-01	PANEL (L), SIDE
8	4-088-460-31	CUSHION, SCREEN			KP-57WV700 ONLY
	4-088-461-01	HOLDER, SCREEN	31	4-088-622-01	BUTTON
	4-088-600-01	HOLDER (L), MIRROR			KP-57WV600 ONLY
	4-088-598-01	MIRROR	31	4-088-585-01	BUTTON
					KP-57WV700 0NLY
12 *	4-081-501-01	HOLDER, MIRROR			
13	4-081-063-01	SCREW, DOME WASHER HEX TAP 4X20	32	X-4040-323-1	GRILLE ASSY, SPEAKER
14 *	4-088-601-01	HOLDER (R), MIRROR			KP-57WV600 ONLY
15 *	4-091-115-01	BOARD, REAR	32	X-4040-326-2	GRILLE (57) ASSY, SPEAKER
		KP-57WV600 ONLY			KP-57WV700 ONLY
15 *	4-088-605-01	BOARD, REAR	33	4-088-588-01	GUIDE, LED
		KP-57WV700 ONLY			
			34	4-088-621-01	PANEL, CONTROL
16 *	4-088-630-01	PANEL R, SIDE			KP-57WV600 ONLY
		KP-57WV600 ONLY	34	4-088-584-01	PANEL, CONTROL
16 *	4-088-607-01	PANEL (R), SIDE			KP-57WV700 0NLY
		KP-57WV700 ONLY	35	4-088-586-01	GUIDE, LED
17 *	4-088-541-01	HANDLE	36	4-088-599-01	COVER (57), MIRROR

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

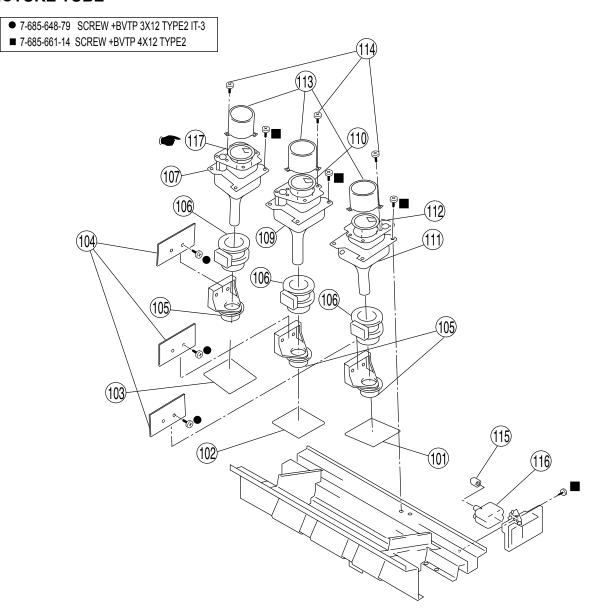
6-3. CHASSIS



REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
51 52 \$\infty\$ 53 54	1-825-191-11 1-825-200-11 1-223-925-81 A-1300-406-A 8-598-593-50	LOUDSPEAKER (13 CM) LOUDSPEAKER (6.6 CM) RESISTOR ASSY (HIGH-VOLTAGE) A BOARD, COMPLETE TUNER, FSS BTF-WA421	70 71 *	3-710-578-01 A-1300-883-A	COVER, VOLUME, 6 MOLD D BOARD, COMPLETE The high-voltage leads associated with the FBT on this board are not included and must be ordered separately.
56 °	* A-1300-410-A 8-598-594-30	G BOARD, COMPLETE TUNER, FSS BTF-FA421	<u>^</u> 72 <u>^</u> _	1-453-285-51 1-779-095-51 1-900-260-40	FBT ASSY, NX-4006//X4P4 LEAD ASSY, HIGH-VOLTAGE CONNECTOR ASSY, MV
58	* 1-555-400-00 * 1-557-056-31	CABLE, PIN CABLE, P-P	<u>↑</u> 73	1-769-837-11	CORD, POWER(WITH NOISE FILTER)
△ 60 61	1-771-787-13 4-069-675-01	SWITCH, RF ANTENNA CAP, TERMINAL BOARD	74 75	1-500-082-11 1-469-241-11	CLAMP, FERRITE CORE, FERRITE
62 63	4-088-590-01 A-1300-324-A	BOARD, TERMINAL UD BOARD, COMPLETE	76 76	X-4040-459-1 X-4040-320-1	CABINET ASSY KP-65WV600 ONLY CABINET ASSY
64	4-088-591-01 A-1300-887-A	LABEL, TERMINAL AD BOARD, COMPLETE	77	3-184-556-01	KP-65WV700 ONLY CASTER
66	* A-1300-407-A	B BOARD, COMPLETE	78 79	4-030-850-01 4-075-020-01	SOCKET, CASTER FOOT, PLASTIC
67 68 69	* A-1300-690-A * A-1300-646-A * A-1300-321-A	BM1C BOARD, COMPLETE M BOARD, COMPLETE U BOARD, COMPLETE	80	4-081-063-01	SCREW,DOME WASHER HEX TAP 4X20 KP-57WV600/57WV700 ONLY

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-4. PICTURE TUBE





101 A-1401-420-A CB MOUNT (VAR)	
101 A-1401-387-A CB MOUNT (VAR)	
KP-65WV600/65WV700 ONLY KP-57WV600 ONLY KP-57WV600 ONLY KP-57WV600/57WV700 ONLY KP-57WV600/57WV700 ONLY KP-65WV600/65WV700 ONLY KP-65WV600/65WV700 ONLY KP-65WV600/65WV700 ONLY KP-65WV600 ONLY KP-65WV600 ONLY KP-65WV600 ONLY KP-65WV700 ONLY KP-57WV700 ONLY KP-65WV600 ONLY	
102 A-1401-419-A CG MOUNT (VAR)	
102	
102 A-1401-386-A CG MOUNT (VAR) KP-65WV600/65WV700 ONLY	
KP-65WV600/65WV700 ONLY	
103 * A-1401-385-A CR MOUNT (VAR) 104 * A-1401-589-A VM MOUNT (VAR) 105 1-452-790-31 NECK ASSY 106 1-451-537-22 DEFLECTION YOKE 117 4-088-542-01 SHADE (R) KP-57WV700/65WV700 ONLY 118 4-083-750-01 LENS (DELTA 260) KP-57WV600 ONLY KP-57WV600 ONLY 119 4-087-841-01 LENS (DELTA 265) KP-57WV700/65WV700 ONLY 110 8-733-668-25 CRT 07MVC42(B)-L KP-57WV700 ONLY 111 4-087-841-01 LENS (DELTA 265) KP-57WV700/65WV700 ONLY 112 4-088-542-01 SHADE (R) KP-57WV700/65WV700 ONLY 113 4-087-841-01 LENS (DELTA 265) KP-57WV700/65WV700 ONLY 114 4-087-842-01 SCREW (4X20), HEAD TAPPING	
103 * A-1401-385-A CR MOUNT (VAR) 104 * A-1401-589-A VM MOUNT (VAR) 105 1-452-790-31 NECK ASSY 106 1-451-537-22 DEFLECTION YOKE 112 4-088-542-01 SHADE (R) KP-57WV700/65WV700 ONLY 113 4-083-750-01 LENS (DELTA 260) KP-57WV600 ONLY 114 4-087-841-01 LENS (DELTA 265) KP-57WV700/65WV700 ONLY 115 4-087-841-01 LENS (DELTA 265) KP-57WV700/65WV700 ONLY 116 4-087-842-01 LENS (DELTA 270) KP-65WV600 ONLY 117 4-087-842-01 LENS (DELTA 270) KP-65WV600 ONLY 118 4-087-842-01 SCREW (4X20), HEAD TAPPING	
104 * A-1401-589-A VM MOUNT (VAR) ⚠ 105	
↑ 105	
↑ 106 1-451-537-22 DEFLECTION YOKE 113 4-083-750-01 LENS (DELTA 260) KP-57WV600 ONLY KP-57WV600 ONLY KP-57WV600 ONLY KP-57WV700/65WV700 ONLY 113 4-087-841-01 LENS (DELTA 265) KP-57WV700/65WV700 ONLY 114 4-052-894-01 SCREW (4X20), HEAD TAPPING	
113 4-083-750-01 LENS (DELTA 260) KP-57WV600 ONLY KP-57WV600 ONLY 113 4-087-841-01 LENS (DELTA 265) KP-57WV700/65WV700 ONLY 113 4-087-841-01 LENS (DELTA 265) KP-57WV700/65WV700 ONLY 113 4-087-842-01 LENS (DELTA 270) KP-65WV600 ONLY 114 4-052-894-01 SCREW (4X20), HEAD TAPPING	
▲ 107 8-733-647-25 CRT 07MVC41(B)-L(VM) KP-57WV600 ONLY KP-57WV600 ONLY ★ 107 8-733-668-25 CRT 07MVC42(B)-L 113 4-087-841-01 LENS (DELTA 265) ★ 107 8-733-665-25 CRT 07MVC61(B)-L 113 4-087-842-01 LENS (DELTA 270) ★ 107 8-733-665-25 CRT 07MVC61(B)-L KP-65WV600 ONLY ★ 107 8-733-663-25 CRT 07MVC62(B)-L 114 4-052-894-01 SCREW (4X20), HEAD TAPPING	
KP-57WV600 ONLY 113 4-087-841-01 LENS (DELTA 265) ★ 107 8-733-668-25 CRT 07MVC42(B)-L KP-57WV700 ONLY ★ 107 8-733-665-25 CRT 07MVC61(B)-L KP-65WV600 ONLY ★ 107 8-733-663-25 CRT 07MVC62(B)-L 114 4-052-894-01 SCREW (4X20), HEAD TAPPING	
↑ 107 8-733-668-25 CRT 07MVC42(B)-L KP-57WV700 ONLY 113 4-087-842-01 LENS (DELTA 270) KP-65WV600 ONLY 114 4-052-894-01 SCREW (4X20), HEAD TAPPING	
KP-57WV700 ONLY 113 4-087-842-01 LENS (DELTA 270) KP-65WV600 ONLY 114 4-052-894-01 SCREW (4X20), HEAD TAPPING	
↑ 107 8-733-665-25 CRT 07MVC61(B)-L KP-65WV600 ONLY KP-65WV600 ONLY 114 4-052-894-01 SCREW (4X20), HEAD TAPPING	
KP-65WV600 ONLY ↑ 107 8-733-663-25 CRT 07MVC62(B)-L 114 4-052-894-01 SCREW (4X20), HEAD TAPPING	
↑ 107 8-733-663-25 CRT 07MVC62(B)-L 114 4-052-894-01 SCREW (4X20), HEAD TAPPING	
KP-65WV700 ONLY 115 4-373-137-01 CAP (Z), RUBBER	
△ 109 8-733-652-15 CRT 07MVC21(G)-L(VM) 4-090-058-01 SHADE (B)	
KP-57WV600/65WV600 ONLY KP-57WV700/65WV700 ONLY	
⚠ 109 8-733-667-15 CRT 07MVC22(G)-L	
KP-57WV700/65WV700 ONLY	

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NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.	NO. PART NO.	DESCRIPTION	DESCRIPTION VALUES				REF.NO.	PART NO.	DESCRIPTION	VALU		
	110											
BI	M1C						C162	1-126-394-11	ELECT CHIP	10μF	20%	16V
	VIII						C163	1-126-394-11	ELECT CHIP	10μF	20%	16V
				_			C164	1-126-390-11	ELECT CHIP	22µF	20%	6.3V
		s <u>not</u> field repairabl		C165	1-124-779-00	ELECT CHIP	10μF	20%	16V			
use the following part number to order a complete replacement board. Data is provided for reference only.							C166	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
	board. Data is pro	ovided for reference	only.					0011150705				
*	* A-1300-690-A BM1C BOARD COMPLETE							CONNECTOR				
	CAPACITOR					*	CN104	1-816-933-21	CONNECTOR, BOA	ARD TO BOAR	RD 60P	
C103	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V			DIODE				
C105		CERAMIC CHIP	0.1µF	10%	16V		D101	8-719-024-77	DIODE	HN1D03FU	I TE051	
C106		CERAMIC CHIP	0.1µF	1070	25V		D101					
C107		ELECT CHIP	22μF	20%	6.3V			8-719-024-77	DIODE	HN1D03FU		
C107		CERAMIC CHIP	22μι 0.1μF	20 /0	25V		D201	8-719-024-77	DIODE	HN1D03FU	J-1E85L	
0100	1 104 100 11	OLIV WIIO OTIII	0.1μ1		201			FERRITE BEAD				
C110	1-126-394-11	ELECT CHIP	10μF	20%	16V							
C112	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB101	1-414-921-11	FERRITE	0μH		
C118	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB102	1-414-921-11	FERRITE	0μΗ		
C123		CERAMIC CHIP	0.01µF	10%	25V		FB103	1-414-921-11	FERRITE	0μΗ		
C124		CERAMIC CHIP	0.1µF	10%	16V		FB104	1-414-921-11	FERRITE	0μΗ		
0.2		0	V p.				FB106	1-500-451-11	FERRITE	0μΗ		
C125	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V							
C126	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB109	1-414-921-11	FERRITE	0μΗ		
C127	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB110	1-414-921-11	FERRITE	0μΗ		
C128		CERAMIC CHIP	0.01µF	10%	25V		FB111	1-414-921-11	FERRITE	0μΗ		
C129		CERAMIC CHIP	0.01µF	10%	25V		FB120	1-414-921-11	FERRITE	0μΗ		
0120	1 102 010 11	02.0 111110 01111	0.0141	1070	201		FB121	1-414-921-11	FERRITE	0μH		
C130	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V							
C131	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		FB122	1-414-921-11	FERRITE	0μΗ		
C132	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		FB123	1-414-921-11	FERRITE	0μΗ		
C133	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		FB124	1-414-921-11	FERRITE	0μΗ		
C134		CERAMIC CHIP	0.01µF	10%	25V		FB137	1-414-921-11	FERRITE	0μΗ		
0.0	02 0.0	0	0.0 .p.	.0,0			FB141	1-414-921-11	FERRITE	0μH		
C135	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V							
C136	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB143	1-414-921-11	FERRITE	0μΗ		
C137	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		FB149	1-414-921-11	FERRITE	0μΗ		
C138		CERAMIC CHIP	0.1µF	10%	16V							
C139		CERAMIC CHIP	0.1µF	10%	16V			<u>IC</u>				
							IC101	6-702-978-01	IC	MD2406		
C141	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		IC102	6-802-277-11	IC	SST39VF8	00A70F-1	1300-T
C142	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		IC104	8-759-460-72	IC	BA033FP-E		1000 1
C143	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		IC104	8-759-697-54	IC	BR24C21F		
C144		CERAMIC CHIP	0.01µF	10%	25V							
C145		CERAMIC CHIP	0.01µF	10%	25V		IC107	8-759-331-27	IC	MM1096AF	ľ	
				,			IC108	6-702-511-11	IC	MT48LC8N	116A2TG-	75-Y95WT
C146		CERAMIC CHIP	0.01µF	10%	25V		IC111	8-759-832-05	IC	BA18BC0F	P-E2	
C147		CERAMIC CHIP	0.01µF	10%	25V		IC121	8-752-932-19	IC	CXP86608	-001R	
C148	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V							
C151	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V							
C154	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V							



REF.NO.	PART NO.	DESCRIPTION	VALUE	S		REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
	COIL					R186	1-216-864-11	SHORT CHIP			
1.400		INDUCTOR	40.11			R189	1-216-864-11	SHORT CHIP			
L106	1-469-555-21	INDUCTOR	10µH								
L107	1-469-561-21	INDUCTOR	100µH			R190	1-216-864-11	SHORT CHIP			
	TDANGICTOD					R201	1-216-845-11	METAL CHIP	100K	5%	1/10W
	TRANSISTOR					R202	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q101	8-729-013-28	TRANSISTOR	HN1B01FU-	TE85R		R203	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q103	8-729-905-35	TRANSISTOR	2SC4081-R			R205	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q105	8-729-427-72	TRANSISTOR	XP4501								
Q110	8-729-900-53	TRANSISTOR	DTC114EK			R206	1-216-809-11	METAL CHIP	100	5%	1/10W
Q116	8-729-900-53	TRANSISTOR	DTC114EK			R208	1-216-845-11	METAL CHIP	100K	5%	1/10W
						R209	1-216-845-11	METAL CHIP	100K	5%	1/10W
Q201	8-729-026-53	TRANSISTOR	2SA1576A-	Γ106-QR		R213	1-218-830-11	METAL CHIP	200	0.50%	1/10W
Q202	8-729-028-28	TRANSISTOR	2SK2036(TE	E85L)		R217	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q203	8-729-028-28	TRANSISTOR	2SK2036(TE	E85L)							
						R218	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
	RESISTOR					R219	1-216-833-11	METAL CHIP	10K	5%	1/10W
D. () ()				-0/		R221	1-216-809-11	METAL CHIP	100	5%	1/10W
R101	1-216-797-11	METAL CHIP	10	5%	1/10W	R222	1-216-833-11	METAL CHIP	10K	5%	1/10W
R102	1-216-797-11	METAL CHIP	10	5%	1/10W	R226	1-216-833-11	METAL CHIP	10K	5%	1/10W
R103	1-216-797-11	METAL CHIP	10	5%	1/10W						
R105	1-216-797-11	METAL CHIP	10	5%	1/10W	R230	1-216-833-11	METAL CHIP	10K	5%	1/10W
R110	1-216-833-11	METAL CHIP	10K	5%	1/10W	R232	1-218-709-11	METAL CHIP	5.1K	0.50%	1/10W
						R238	1-216-864-11	SHORT CHIP			
R111	1-216-833-11	METAL CHIP	10K	5%	1/10W	R239	1-216-833-11	METAL CHIP	10K	5%	1/10W
R112	1-216-833-11	METAL CHIP	10K	5%	1/10W	R240	1-216-833-11	METAL CHIP	10K	5%	1/10W
R113	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R120	1-216-833-11	METAL CHIP	10K	5%	1/10W	R283	1-216-833-11	METAL CHIP	10K	5%	1/10W
R121	1-216-833-11	METAL CHIP	10K	5%	1/10W	R287	1-216-833-11	METAL CHIP	10K	5%	1/10W
						R288	1-216-797-11	METAL CHIP	10	5%	1/10W
R124	1-216-864-11	SHORT CHIP				R290	1-216-797-11	METAL CHIP	10	5%	1/10W
R125	1-216-864-11	SHORT CHIP	4014	-0/							
R127	1-216-833-11	METAL CHIP	10K	5%	1/10W		RESISTOR BRID	<u>DGE</u>			
R128	1-216-864-11	SHORT CHIP				RB101	1-234-381-21	RES, NETWORK 1	00KX4 (100	E)	
R129	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W	RB101	1-234-381-21	RES, NETWORK 1	•	,	
D400	4 040 707 44	METAL OLUB	40	=0/	4/4014/	RB102	1-234-381-21	RES, NETWORK 1	,		
R136	1-216-797-11	METAL CHIP	10	5%	1/10W	RB104	1-234-381-21	RES, NETWORK 1	,	,	
R137	1-216-864-11	SHORT CHIP	4017	=0/	4/4014/	RB104	1-234-372-21	RES, NETWORK 1			
R143	1-216-833-11	METAL CHIP	10K	5%	1/10W	KB 103	1-234-372-21	KES, NETWORK I	JUN4 (1003)	
R144	1-216-809-11	METAL CHIP	100	5%	1/10W	RB106	1-234-378-21	RES, NETWORK 1	OKX4 (1005	:)	
R145	1-216-809-11	METAL CHIP	100	5%	1/10W	RB107	1-234-370-21	RES, NETWORK 2			
D440	4 040 000 44	METAL OLUD	001/	F 0/	4/40/4/	RB108	1-234-370-21	RES, NETWORK 2	` '		
R148	1-216-839-11	METAL CHIP	33K	5%	1/10W	RB109	1-234-370-21	RES, NETWORK 2			
R149	1-216-839-11	METAL CHIP	33K	5%	1/10W	RB110	1-234-370-21	RES, NETWORK 2			
R150	1-216-833-11	METAL CHIP	10K	5%	1/10W	KBTIO	1 204 070 21	NEO, NETWORK 2	-74 (1000)	1	
R152	1-216-833-11	METAL CHIP	10K	5%	1/10W	RB111	1-234-370-21	RES, NETWORK 2	2X4 (1005)	1	
R155	1-216-833-11	METAL CHIP	10K	5%	1/10W	RB112	1-234-370-21	RES, NETWORK 2	, ,		
D1E0	1 216 064 44	CHUDT CHID				RB113	1-234-378-21	RES, NETWORK 1			
R158	1-216-864-11	SHORT CHIP	22	E0/	1/10\\\	RB114	1-234-378-21	RES, NETWORK 1			
R161	1-216-801-11 1-216-833-11	METAL CHIP METAL CHIP	22 10K	5% 5%	1/10W 1/10W	RB115	1-234-378-21	RES, NETWORK 1			
R164								11-0.11-1770111			



REF.NO.	PART NO.	DESCRIPTION	VALUE	s		RE	F.NO.	PART NO.	DESCRIPTION	VALU	ES	
RB121	1-234-371-21	RES, NETWORK 47X4	(1005)			C94	430	1-164-156-11	CERAMIC CHIP	0.1µF		25V
RB122	1-234-371-21	RES, NETWORK 47X4	(1005)				431	1-126-963-11	ELECT	4.7μF	20%	50V
RB123	1-234-371-21	RES, NETWORK 47X4	(1005)				101	1 120 000 11		1.7 pi	2070	001
RB124	1-234-371-21	RES, NETWORK 47X4	(1005)			C9	432	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
RB131	1-234-378-21	RES, NETWORK 10KX	, ,				433	1-126-933-11	ELECT	0.1μ1 100μF	20%	16V
ND 101	1-204-370-21	INEO, INETWORK TOTOK	1 (1000)				434	1-126-933-11	ELECT	100μF	20%	16V
RB132	1-234-378-21	RES, NETWORK 10KX	4 (1005)				440	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
RB133	1-234-378-21	RES, NETWORK 10KX	. ,				441	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
RB134	1-234-378-21	RES, NETWORK 10KX	. ,				7771	1 104 010 11	OLIV WIIO OTIII	тторі	070	00 V
NB 101	1 201 010 21	NEO, NETWORK TOTAL	(1000)			C96	442	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
	CRYSTAL						444	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
	<u> </u>						446	1-164-156-11	CERAMIC CHIP	0.1µF	0,0	25V
X101	1-795-725-21	CRYSTAL OSCILLATOR	₹	(SMD))		447	1-164-156-11	CERAMIC CHIP	0.1µF		25V
X102	1-795-313-21	VIBRATOR, CERAMIC					448	1-164-156-11	CERAMIC CHIP	0.1µF		25V
							110	1 104 100 11	OLIV WIIO OI III	0.1μ1		201
						C94	450	1-164-156-11	CERAMIC CHIP	0.1µF		25V
IAI)						C94	452	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
	l						453	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
		field repairable. If se					454	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	
		per to order a comple	te replace	ment t	ooard.		458	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	
Da	ta is provided for	reference only.								- T		
*	A-1300-887-A	AD BOARD, COMPL	FTF			C94	459	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	7. 1000 007 7.	7.5 207.1.C., 00				C94	460	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	CAPACITOR					C94	461	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	<u>ori ronon</u>					C94	462	1-126-933-11	ELECT	100μF	20%	16V
C9401	1-126-933-11	ELECT 1	00μF	20%	16V		463	1-126-933-11	ELECT	100μF	20%	16V
C9402	1-126-933-11	ELECT 1	00μF	20%	16V							
C9403	1-164-156-11	CERAMIC CHIP 0).1µF		25V	C94	464	1-126-933-11	ELECT	100µF	20%	16V
C9404	1-162-919-11	CERAMIC CHIP 2	2pF	5%	50V		465	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9405	1-164-156-11	CERAMIC CHIP 0).1µF		25V		466	1-164-156-11	CERAMIC CHIP	0.1µF		25V
							467	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9406	1-164-156-11	CERAMIC CHIP 0).1µF		25V		468	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C9407	1-164-156-11	CERAMIC CHIP 0).1µF		25V							
C9408	1-162-919-11	CERAMIC CHIP 2	2pF	5%	50V	C94	469	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C9409	1-126-933-11	ELECT 1	00μF	20%	16V		470	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
C9410	1-164-156-11	CERAMIC CHIP 0).1µF		25V	1	472	1-115-412-11	CERAMIC CHIP	680pF	5%	25V
							474	1-164-156-11	CERAMIC CHIP	0.1µF	-,-	25V
C9411	1-162-966-11	CERAMIC CHIP 0).0022µF	10%	50V	1	475	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9413	1-164-156-11	CERAMIC CHIP 0).1µF		25V					I		
C9414	1-126-933-11	ELECT 1	00μF	20%	16V	C94	476	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9415	1-164-156-11	CERAMIC CHIP 0).1µF		25V		478	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9416	1-164-156-11	CERAMIC CHIP 0).1µF		25V		480	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
							481	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C9419	1-164-156-11	CERAMIC CHIP 0).1µF		25V	1	482	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	
C9422	1-164-156-11	CERAMIC CHIP 0).1µF		25V				32	~P.	5. 2 0pi	
C9424	1-164-156-11	CERAMIC CHIP 0).1µF		25V	C9,	483	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	50V
C9425	1-164-156-11).1µF		25V	1	484	1-164-156-11	CERAMIC CHIP	0.1μF	0. 2 0pi	25V
C9426	1-164-156-11).1μF		25V		485	1-164-156-11	CERAMIC CHIP	0.1μF		25V
			•				486	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C9427	1-164-156-11	CERAMIC CHIP 0).1µF		25V	1	488	1-126-933-11	ELECT	0.1μ1 100μF	20%	16V
C9428	1-126-933-11		00μF	20%	16V	03	100	1 120 000-11	LLLOI	ισομι	20 /0	101
C9429	1-164-156-11).1µF		25V							
						I						



REF.NO.	PART NO.	DESCRIPTION	VALUES	i		REF.NO.	PART NO.	DESCRIPTION	VALUES	3	
C9489	1-126-933-11	ELECT	100μF	20%	16V	C9554	1-126-947-11	ELECT	47μF	20%	35V
C9490	1-126-933-11	ELECT		20%	16V	C9555	1-126-947-11	ELECT	47μF	20%	35V
C9491	1-120-955-11	CERAMIC CHIP	0.1μF	20 /0	25V	03000	1-120-347-11	LLLOI	47μι	20 /0	33 V
C9491	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V	C9556	1-126-916-11	ELECT	1000µF	20%	6.3V
C9492 C9493	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V	C9557	1-120-910-11	CERAMIC CHIP	0.1μF	20 /0	25V
03433	1-104-150-11	CERAWIO OTH	υ. τμι		250	C9558	1-104-130-11	ELECT	0. ημη 100μF	20%	16V
C9494	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C9559	1-120-933-11	CERAMIC CHIP	0.1μF	20 /0	25V
C9494	1-162-968-11	CERAMIC CHIP		10%	50V	C9560	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C9495 C9498	1-102-900-11	ELECT		20%	16V	C9300	1-104-130-11	CERAIVIIC CHIP	υ. ιμΓ		237
C9490 C9501	1-120-933-11	CERAMIC CHIP		5%	50V	C9561	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C9501	1-104-313-11	CERAMIC CHIP	•	5%	25V	C9562	1-104-130-11	ELECT	0.1μr 470μF	20%	16V
C9302	1-110-412-11	CERAINIC CHIP	σουμΓ	370	257	C9302	1-120-955-11	ELECT	470μΓ	20%	100
C9503	1-164-315-11	CERAMIC CHIP	470pF	5%	50V		CONNECTOR				
C9505	1-115-412-11	CERAMIC CHIP	680pF	5%	25V						
C9506	1-164-156-11	CERAMIC CHIP	0.1µF		25V	CN9400	1-764-613-11	CONNECTOR, BOAR			
C9508	1-164-156-11	CERAMIC CHIP	0.1µF		25V	CN9401	1-764-613-11	CONNECTOR, BOAR		20P	
C9509	1-164-156-11	CERAMIC CHIP	0.1µF		25V *	CN9402	1-564-511-11	PLUG, CONNECTOR	8P		
00=44				-0/			DIODE				
C9511	1-162-927-11	CERAMIC CHIP		5%	50V		<u> </u>				
C9512	1-164-156-11	CERAMIC CHIP	0.1µF	-	25V	D9400	8-719-988-61	DIODE	1SS355TE-17	7	
C9514	1-162-910-11	CERAMIC CHIP	•	0.25pF		D9401	8-719-988-61	DIODE	1SS355TE-17	7	
C9515	1-162-927-11	CERAMIC CHIP	•	5%	50V	D9402	8-719-988-61	DIODE	1SS355TE-17	7	
C9516	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	50V	D9404	8-719-988-61	DIODE	1SS355TE-17	7	
		0=======				D9405	8-719-988-61	DIODE	1SS355TE-17	7	
C9517	1-164-156-11	CERAMIC CHIP	0.1µF		25V						
C9518	1-164-156-11	CERAMIC CHIP	0.1µF		25V	D9406	8-719-069-54	DIODE	UDZSTE-175	5.1B	
C9520	1-164-173-11	CERAMIC CHIP		10%	50V	D9407	8-719-069-54	DIODE	UDZSTE-175	5.1B	
C9521	1-164-173-11	CERAMIC CHIP		10%	50V	D9408	8-719-069-54	DIODE	UDZSTE-175	5.1B	
C9523	1-164-173-11	CERAMIC CHIP	0.0039μF	10%	50V	D9409	8-719-069-54	DIODE	UDZSTE-175	5.1B	
C9524	1-164-173-11	CERAMIC CHIP	0.0039µF	10%	50V		FERRITE BEAD				
C9525	1-164-156-11	CERAMIC CHIP	0.1µF		25V						
C9526	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9401	1-414-445-11	FERRITE	0μΗ		
C9527	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9402	1-414-445-11	FERRITE	0μΗ		
C9528	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9403	1-414-445-11	FERRITE	0μΗ		
						FB9404	1-414-445-11	FERRITE	0μΗ		
C9531	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9405	1-414-445-11	FERRITE	0μΗ		
C9532	1-164-156-11	CERAMIC CHIP	0.1µF		25V						
C9540	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9406	1-414-445-11	FERRITE	0μΗ		
C9541	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9407	1-414-445-11	FERRITE	0μΗ		
C9542	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9408	1-414-445-11	FERRITE	0μΗ		
						FB9409	1-414-445-11	FERRITE	0μΗ		
C9543	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9410	1-414-445-11	FERRITE	0μΗ		
C9546	1-164-156-11	CERAMIC CHIP	0.1µF		25V						
C9547	1-164-392-11	CERAMIC CHIP	390pF	5%	50V	FB9411	1-414-445-11	FERRITE	0μΗ		
C9548	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	FB9412	1-414-445-11	FERRITE	0μH		
C9549	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V	FB9413	1-414-445-11	FERRITE	0μΗ		
						FB9414	1-414-445-11	FERRITE	0μH		
C9550	1-164-156-11	CERAMIC CHIP	0.1µF		25V	FB9415	1-414-445-11	FERRITE	0μΗ		
C9552	1-162-974-11	CERAMIC CHIP	0.01µF		50V						
C9553	1-126-947-11	ELECT	47µF	20%	35V	FB9416	1-414-445-11	FERRITE	0μH		
						FB9417	1-414-445-11	FERRITE	0μΗ		



REF.NO.	PART NO.	DESCRIPTION	VALUES	S		REF.NO.	PART NO.	DESCRIPTION	VAL	.UES	
	<u>IC</u>					R9404	1-216-833-11	METAL CHIP	10K	5%	1/10W
100.400		10	01/200100 0	470		R9405	1-216-821-11	METAL CHIP	1K	5%	1/10W
IC9400	8-752-933-62	IC	CXP86460-64	4/Q							
IC9401	8-759-683-55	IC	CM0017AF			R9406	1-216-837-11	METAL CHIP	22K	5%	1/10W
IC9402	6-700-319-01	IC	M24128-BWN	MN6 I		R9407	1-216-821-11	METAL CHIP	1K	5%	1/10W
IC9403	8-759-352-91	IC	PST9143NL			R9408	1-216-821-11	METAL CHIP	1K	5%	1/10W
IC9405	8-759-830-08	IC	NJM2068V-T	E2		R9410	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
100.00		10				R9411	1-216-809-11	METAL CHIP	100	5%	1/10W
IC9406	8-759-830-08	IC	NJM2068V-T	E2							
IC9407	8-759-829-87	IC	CD0031AM			R9412	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
IC9408	8-759-830-08	IC	NJM2068V-T			R9413	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
IC9409	8-759-830-08	IC	NJM2068V-T			R9414	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
IC9410	8-759-830-08	IC	NJM2068V-T	E2		R9415	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R9416	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
IC9411	8-759-830-08	IC	NJM2068V-T								
IC9413	8-759-278-58	IC	NJM4558V-T			R9417	1-216-809-11	METAL CHIP	100	5%	1/10W
IC9414	8-759-278-58	IC	NJM4558V-T			R9418	1-216-809-11	METAL CHIP	100	5%	1/10W
IC9415	8-759-278-58	IC	NJM4558V-T			R9419	1-216-839-11	METAL CHIP	33K	5%	1/10W
IC9416	8-759-278-58	IC	NJM4558V-T	E2		R9420	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R9421	1-216-821-11	METAL CHIP	1K	5%	1/10W
IC9420	8-759-830-08	IC	NJM2068V-T								
IC9421	8-759-662-86	IC	NJM79M05D			R9422	1-216-818-11	METAL CHIP	560	5%	1/10W
IC9422	8-759-641-26	IC	NJM2391DL1	1-33(TE1))	R9423	1-216-809-11	METAL CHIP	100	5%	1/10W
						R9424	1-216-809-11	METAL CHIP	100	5%	1/10W
	<u>COIL</u>					R9425	1-216-833-11	METAL CHIP	10K	5%	1/10W
L9401	1-469-555-21	INDUCTOR	10µH			R9426	1-216-821-11	METAL CHIP	1K	5%	1/10W
						D0 400	4 040 000 44	METAL OLUB	400	5 0/	4/40/4/
	TRANSISTOR					R9428	1-216-809-11	METAL CHIP	100	5%	1/10W
Q9400	8-729-026-49	TRANSISTOR	2SA1037AK-	T146-R		R9429	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q9401	8-729-026-49	TRANSISTOR	2SA1037AK-			R9430	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q9402	8-729-026-49	TRANSISTOR	2SA1037AK-			R9431	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q9403	8-729-120-28	TRANSISTOR	2SC1623-L5L			R9432	1-216-815-11	METAL CHIP	330	5%	1/10W
Q9405	8-729-120-28	TRANSISTOR	2SC1623-L5L			D0.400	1 040 005 44	METAL OLUB	0.01/	5 0/	4/40/4/
QUTUU	0-725-120-20	MANOIOTOR	2001020-101	LU		R9433	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q9406	8-729-120-28	TRANSISTOR	2SC1623-L5L	16		R9434	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q9407	8-729-120-28	TRANSISTOR	2SC1623-L5L			R9435	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
Q9408	8-729-120-28	TRANSISTOR	2SC1623-L5L			R9436	1-216-809-11	METAL CHIP	100	5%	1/10W
Q9411	8-729-120-28	TRANSISTOR	2SC1623-L5L			R9437	1-216-809-11	METAL CHIP	100	5%	1/10W
Q9411 Q9412	8-729-120-28	TRANSISTOR	2SC1623-L5L							-0/	
Q3412	0-729-120-20	TRANSISTOR	230 1023-131	LU		R9438	1-216-815-11	METAL CHIP	330	5%	1/10W
00/13	8-729-120-28	TDANGISTOD	2801623 51	16		R9439	1-216-815-11	METAL CHIP	330	5%	1/10W
Q9413 Q9414	8-729-120-28	TRANSISTOR TRANSISTOR	2SC1623-L5L 2SC1623-L5L			R9440	1-216-817-11	METAL CHIP	470	5%	1/10W
Q9414 Q9415	8-729-120-28		2SC1623-L5L			R9441	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
		TRANSISTOR				R9442	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
Q9416	8-729-028-28	TRANSISTOR	2SK2036(TE	,							
Q9417	8-729-028-28	TRANSISTOR	2SK2036(TE	OOL)		R9443	1-218-692-11	METAL CHIP	1K		1/10W
	DECICTOR					R9444	1-216-837-11	METAL CHIP	22K	5%	1/10W
	RESISTOR					R9446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9400	1-216-841-11	METAL CHIP	47K	5%	1/10W	R9447	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9401	1-216-809-11	METAL CHIP	100		1/10W	R9448	1-216-818-11	METAL CHIP	560	5%	1/10W
R9402	1-216-833-11	METAL CHIP	10K		1/10W						



REF.NO.	PART NO.	DESCRIPTION	VAL	UES		REF.NO.	PART NO.	DESCRIPTION	VALI	UES	
R9449	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R9495	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9450	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R9496	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9451	1-218-700-11	METAL CHIP	2.2K		1/10W	110100	1210 000 11	mente orm	17 010	070	
R9452	1-218-700-11	METAL CHIP	2.2K		1/10W	R9497	1-216-855-11	METAL CHIP	680K	5%	1/10W
R9453	1-216-833-11	METAL CHIP	10K	5%	1/10W	R9502	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
110400	1 210 000 11	WIE IT IE OF III	1010	0 70	171000	R9503	1-216-845-11	METAL CHIP	100K	5%	1/10W
R9454	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	R9504	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9455	1-218-700-11	METAL CHIP	2.2K		1/10W	R9505	1-216-843-11	METAL CHIP	68K	5%	1/10W
R9456	1-216-833-11	METAL CHIP	10K	5%	1/10W	N9303	1-210-043-11	IVIE TAL CITIF	VOIC	3 /0	1/1000
						DOEOO	1 016 040 11	METAL CHID	601/	E0/	1/10\\\
R9457	1-216-833-11	METAL CHIP	10K	5%	1/10W	R9509	1-216-843-11	METAL CHIP	68K 4.7K	5%	1/10W
R9458	1-216-833-11	METAL CHIP	10K	5%	1/10W	R9510	1-216-829-11	METAL CHIP		5%	1/10W
D0450	4 040 704 44	METAL OLUD	001/	0.500/	4/40/4/	R9511	1-216-845-11	METAL CHIP	100K	5% 5%	1/10W
R9459	1-218-724-11	METAL CHIP	22K		1/10W	R9512	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R9460	1-218-724-11	METAL CHIP	22K		1/10W	R9515	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9461	1-218-724-11	METAL CHIP	22K		1/10W						
R9462	1-218-724-11	METAL CHIP	22K		1/10W	R9516	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9463	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R9520	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R9524	1-215-866-11	METAL OXIDE	330	5%	1W
R9464	1-218-716-11	METAL CHIP	10K		1/10W	R9527	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9465	1-218-716-11	METAL CHIP	10K		1/10W	R9539	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R9466	1-218-716-11	METAL CHIP	10K	0.50%	1/10W						
R9467	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	R9540	1-218-702-11	METAL CHIP	2.7K	0.50%	1/10W
R9468	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	R9541	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
						R9542	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W
R9469	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	R9545	1-216-839-11	METAL CHIP	33K	5%	1/10W
R9470	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	R9546	1-218-720-11	METAL CHIP	15K	0.50%	1/10W
R9471	1-218-724-11	METAL CHIP	22K	0.50%	1/10W						
R9472	1-218-724-11	METAL CHIP	22K		1/10W	R9548	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R9473	1-218-724-11	METAL CHIP	22K		1/10W	R9549	1-218-722-11	METAL CHIP	18K		1/10W
						R9550	1-216-837-11	METAL CHIP	22K	5%	1/10W
R9474	1-218-724-11	METAL CHIP	22K	0.50%	1/10W	R9551	1-216-809-11	METAL CHIP	100	5%	1/10W
R9475	1-218-716-11	METAL CHIP	10K		1/10W	R9553	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9476	1-218-716-11	METAL CHIP	10K		1/10W	. 10000		•	***	0,10	
R9477	1-218-716-11	METAL CHIP	10K		1/10W	R9554	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9478	1-218-716-11	METAL CHIP	10K		1/10W	R9555	1-216-833-11	METAL CHIP	10K	5%	1/10W
110470	121071011	WIE IT IE OT III	1010	0.0070	171000	R9556	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9479	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	R9557	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9480	1-218-700-11	METAL CHIP	2.2K		1/10W	R9558	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9481					1/10W	K9000	1-210-021-11	WE TAL CHIP	IIX	370	1/1000
	1-218-700-11	METAL CHIP	2.2K			DOCEO	4 040 004 44	METAL CLUD	41/	E0/	4/40\4/
R9482	1-218-700-11	METAL CHIP	2.2K		1/10W	R9559	1-216-821-11	METAL CHIP	1K	5%	1/10W
R9483	1-218-724-11	METAL CHIP	22K	0.50%	1/10W	R9565	1-216-833-11	METAL CHIP	10K	5%	1/10W
D0 40 4	4 040 704 44	METAL OLUB	001/	0.500/	4/40/4/	R9566	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9484	1-218-724-11	METAL CHIP	22K		1/10W	R9567	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9485	1-218-724-11	METAL CHIP	22K		1/10W	R9568	1-216-864-11	SHORT CHIP			
R9486	1-218-716-11	METAL CHIP	10K		1/10W						
R9487	1-218-724-11	METAL CHIP	22K		1/10W	R9569	1-216-864-11	SHORT CHIP			
R9488	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R9570	1-216-864-11	SHORT CHIP			
						R9571	1-216-864-11	SHORT CHIP			
R9489	1-218-716-11	METAL CHIP	10K		1/10W	R9572	1-216-833-11	METAL CHIP	10K	5%	1/10W
D0 100	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R9573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R9490											



REF.NO.	PART NO.	DESCRIPTION	VALU	ES		REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
R9574	1-216-797-11	METAL CHIP	10	5%	1/10W	C8016	1-104-665-11	ELECT	100µF	20%	25V
R9575	1-216-797-11	METAL CHIP	10	5%	1/10W	C8017	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
						C8018	1-126-964-11	ELECT	10μF	20%	50V
	RESISTOR BRID)GF				C8019	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
	REGIOTOR BRID	<u>, 0 </u>				C8020	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
RB9400	1-233-576-11	RES, CHIP NETWO	RK	100		00020	1 102 027 11	OLIV IIVIIO OI III	тоорі	070	00 V
RB9401	1-233-576-11	RES, CHIP NETWO	RK	100		C8023	1-106-220-00	MYLAR	0.1µF	10%	100V
RB9402	1-233-576-11	RES, CHIP NETWO	RK	100		C8024	1-164-227-11	CERAMIC CHIP	0.022μF	10%	25V
						C8025	1-126-968-11	ELECT	0.022μ1 100μF	20%	50V
	<u>VARISTOR</u>					C8026	1-126-968-11	ELECT	100μΓ 100μF	20%	50V
1/50404	4 004 400 04	VARIOTOR OUTR	(4000)			C8028	1-126-968-11	ELECT	100μΓ 100μF	20%	50V
VD9404	1-804-499-21	VARISTOR, CHIP	(1608)			C0020	1-120-900-11	ELECT	Ιουμι	20 /0	30 V
VD9405	1-804-499-21	VARISTOR, CHIP	(1608)			C8029	1-126-968-11	ELECT	100uE	20%	50V
VD9406	1-804-499-21	VARISTOR, CHIP	(1608)			1			100µF	20%	160V
VD9407	1-804-499-21	VARISTOR, CHIP	(1608)			C8031	1-107-636-11	ELECT	10μF		
	CRYSTAL					C8032	1-126-968-11	ELECT	100µF	20%	50V
X9401	1-767-922-11	VIBRATOR, CERAN	AIC.			C8033	1-126-968-11	ELECT	100µF	20%	50V
7,0401	1-101-322-11	VIDITATOR, OLIVAII	iii O			C8034	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
						C8035	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
						C8036	1-126-968-11	ELECT	100µF	20%	50V
						C8037	1-126-968-11	ELECT	100µF	20%	50V
						C8040	1-115-349-51	CERAMIC	0.01µF		2KV
\triangle	A-1300-883-A	D BOARD COMP				C8041	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
		leads associated with t		s board a	re not						
	included and mus	st be ordered separatel	у.			C8042	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
٨						C8045	1-126-965-91	ELECT	22µF	20%	50V
\triangle	1-779-095-51	LEAD ASSY, HIGH-				C8046	1-126-965-91	ELECT	22µF	20%	50V
<u> </u>	1-900-260-40	CONNECTOR ASS	Y, MV			C8047	1-162-974-11	CERAMIC CHIP	0.01µF		50V
		0.00=11/4.10///0\				C8048	1-126-965-91	ELECT	22µF	20%	50V
	4-382-854-11	SCREW (M3X10), F									
	7-682-952-09	SCREW +PSW 3X1	6			C8049	1-162-974-11	CERAMIC CHIP	0.01µF		50V
						C8050	1-126-965-91	ELECT	22µF	20%	50V
	CAPACITOR					C8051	1-102-038-00	CERAMIC	0.001µF		500V
C8001	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V	C8052	1-126-965-91	ELECT	22µF	20%	50V
C8002	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C8053	1-162-974-11	CERAMIC CHIP	0.01µF		50V
C8003	1-162-927-11	CERAMIC CHIP	100pF	5%	50V						
C8004	1-104-666-11	ELECT	220µF	20%	25V	C8054	1-162-974-11	CERAMIC CHIP	0.01µF		50V
C8005	1-126-942-61	ELECT	1000µF	20%	25V	C8055	1-164-156-11	CERAMIC CHIP	0.1µF		25V
00000	1 120 042 01	LLLOT	ισσομι	2070	201	C8056	1-107-652-11	ELECT	10μF	20%	250V
C8006	1-126-942-61	ELECT	1000µF	20%	25V	C8057	1-126-959-11	ELECT	0.47µF	20%	50V
C8007	1-162-927-11	CERAMIC CHIP	1000µ1 100pF	5%	50V	C8058	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C8007	1-162-927-11	CERAMIC CHIP		5%	50V						
C8009		CERAMIC CHIP	100pF 0.01µF	10%	25V	C8059	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
	1-162-970-11					C8060	1-104-665-11	ELECT	100µF	20%	25V
C8010	1-136-177-00	FILM	1µF	5%	50V	C8061	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
00044	1 160 007 44	CEDAMIC CLUB	100~	E0/	E0\/	C8062	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8011	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C8063	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C8012	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V				. I		-
C8013	1-162-927-11	CERAMIC CHIP	100pF	5%	50V	C8064	1-107-636-11	ELECT	10µF	20%	160V
C8014	1-104-665-11	ELECT	100µF	20%	25V	C8065	1-106-383-00	MYLAR	0.047µF	10%	200V
C8015	1-126-969-11	ELECT	220µF	20%	50V	C8066	1-162-970-11	CERAMIC CHIP	0.047μ1 0.01μF	10%	25V
							. 102 010 11	or a mile of m	υ.υ τμι	1070	



REF.NO.	PART NO.	DESCRIPTION	VALUE	S		REF.NO.	PART NO.	DESCRIPTION	VALUE	S	
C8067	1-104-665-11	ELECT	100µF	20%	25V	C8110	1-126-960-11	ELECT	1µF	20%	50V
C8068	1-162-318-11	CERAMIC	0.001µF	10%	500V	C8111	1-126-960-11	ELECT	1μF	20%	50V
			'			C8113	1-130-495-00	MYLAR	0.1µF	5%	50V
C8069	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C8114	1-125-473-11	ELECT(BLOCK)	1000µF	20%	160V
C8070	1-126-964-11	ELECT	10μF	20%	50V	C8115	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C8071	1-126-964-11	ELECT	10µF	20%	50V				*** p**		
C8072	1-126-964-11	ELECT	10μF	20%	50V	C8116	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C8073	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C8117	1-162-318-11	CERAMIC	0.001µF	10%	500V
00010	1 102 070 11	OLI U WIIO OI III	0.0 τμι	1070	201	C8118	1-136-189-00	MYLAR	0.1µF	10%	250V
C8074	1-104-665-11	ELECT	100µF	20%	25V	C8120	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C8075	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C8121	1-115-349-51	CERAMIC	0.01µF	1070	2KV
C8076	1-128-551-11	ELECT	22µF	20%	63V	00121	1 110 010 01	OLI V WIII O	0.01μ1		21(1
C8077	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V	C8122	1-126-934-11	ELECT	220µF	20%	16V
C8078	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V	C8123	1-107-444-11	CERAMIC	100pF	5%	2KV
00070	1-110-410-11	OLIVAINIO OTIII	0.00 τμι	370	201	△ C8124	1-117-642-11	FILM	8200pF	3%	1.2KV
C8079	1-126-964-11	ELECT	10μF	20%	50V	C8125	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C8080	1-126-964-11	ELECT	10μF	20%	50V	C8125	1-107-020-11	MYLAR	0.0039µF	99%	200V
C8081	1-120-904-11	CERAMIC CHIP	10μF 0.001μF	20% 5%	25V	C0120	1-100-357-00	WITLAN	0.0039μΓ	9970	200 V
				10%	16V	C0127	1 126 042 61	ELECT	1000uE	200/	25V
C8082	1-165-176-11	CERAMIC CHIP	0.047µF		50V	C8127	1-126-942-61 1-137-150-11	ELECT FILM	1000µF	20% 5%	
C8083	1-130-495-00	MYLAR	0.1µF	5%	201	C8129			0.01µF		100V
00004	4 400 000 44	FILM	0.000	F 0/	F0\/	C8131	1-128-582-11	ELECT	10μF	20%	100V
C8084	1-130-992-11	FILM	0.022µF	5%	50V	C8132	1-126-927-11	ELECT	2200µF	20%	10V
C8085	1-162-924-11	CERAMIC CHIP	56pF	5%	50V	C8133	1-107-649-11	ELECT	2.2µF	20%	250V
C8086	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	00405	4 447 040 44	EU 14		=0/	0501/
C8087	1-126-960-11	ELECT	1μF	20%	50V	C8135	1-117-813-11	FILM	0.75µF	5%	250V
C8088	1-126-964-11	ELECT	10μF	20%	50V	C8136	1-130-495-00	MYLAR	0.1µF	5%	50V
						C8137	1-126-927-11	ELECT	2200µF	20%	10V
C8089	1-162-134-11	CERAMIC	470pF	10%	2KV	C8138	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C8090	1-126-960-11	ELECT	1µF	20%	50V	C8139	1-126-964-11	ELECT	10µF	20%	50V
C8091	1-104-665-11	ELECT	100µF	20%	25V						
C8092	1-117-640-11	FILM	6800pF	3%	1.2KV	C8140	1-102-030-00	CERAMIC	330pF	10%	500V
C8093	1-107-648-91	ELECT	100µF	20%	200V	C8141	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
						C8142	1-117-664-11	FILM	0.27µF	5%	250V
C8094	1-126-947-11	ELECT	47μF	20%	35V	C8143	1-109-889-11	ELECT	1μF	20%	50V
C8095	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C8145	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8096	1-136-684-51	FILM	0.0022µF	2.00%							
C8097	1-162-131-11	CERAMIC	220pF	10%	2KV	C8146	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C8098	1-162-131-11	CERAMIC	220pF	10%	2KV	C8153	1-126-960-11	ELECT	1µF	20%	50V
						C8154	1-126-947-11	ELECT	47µF	20%	35V
C8099	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V	C8155	1-126-947-11	ELECT	47µF	20%	35V
C8100	1-104-665-11	ELECT	100μF	20%	25V	C8156	1-107-636-11	ELECT	10μF	20%	160V
C8102	1-162-318-11	CERAMIC	0.001µF	10%	500V						
C8103	1-126-964-11	ELECT	10μF	20%	50V	C8158	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C8104	1-162-965-11	CERAMIC CHIP	0.0015µF	10%	50V	C8159	1-106-383-00	MYLAR	0.047µF	10%	200V
			•			C8160	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C8105	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C8162	1-162-318-11	CERAMIC	0.001µF	10%	500V
C8106	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C8163	1-126-960-11	ELECT	1µF	20%	50V
C8107	1-136-187-11	MYLAR	0.047µF	10%	250V						
C8108	1-126-964-11	ELECT	10μF	20%	50V	C8165	1-126-965-91	ELECT	22µF	20%	50V
C8109	1-162-924-11	CERAMIC CHIP	56pF	5%	50V			-	r		
			F		-						



	REF.NO.	PART NO.	DESCRIPTION	VALUE	S	REF.NO.	PART NO.	DESCRIPTION	VALUES
		CONNECTOR				D8024	8-719-110-41	DIODE	RD15ESB2
		COMMEDICAL				D8025	8-719-988-61	DIODE	1SS355TE-17
*	CN8003	1-691-135-11	PIN, CONNECTOR (P	C BOARD)	4P	50020	0 1 10 000 01	5.052	1000012 11
*	CN8006	1-564-506-11	PLUG, CONNECTOR			D8026	8-719-109-89	DIODE	RD5.6ESB2
*	CN8007	1-564-506-11	PLUG, CONNECTOR	3P		D8027	8-719-028-45	DIODE	D2L20U
*	CN8008	1-564-506-11	PLUG, CONNECTOR	3P		D8028	8-719-110-41	DIODE	RD15ESB2
*	CN8009	1-564-506-11	PLUG, CONNECTOR	3P		D8029	8-719-027-43	DIODE	S2L20µF
						D8030	8-719-027-43	DIODE	S2L20µF
*	CN8010	1-564-507-11	PLUG, CONNECTOR			D0000	0 7 10 027 40	DIODE	02120μ1
*	CN8011	1-564-507-11	PLUG, CONNECTOR	4P		D8032	8-719-302-43	DIODE	EL1Z
*	CN8012	1-564-507-11	PLUG, CONNECTOR	4P		D8033	8-719-028-72	DIODE	RGP02-17EL-6433
	CN8013	1-779-092-11	PIN, CONNECTOR (P	C BOARD)	10P	D8036	8-719-110-41	DIODE	RD15ESB2
*	CN8015	1-506-371-00	PIN, CONNECTOR	2P		D8037	8-719-028-45	DIODE	D2L20U
						D8038	8-719-302-43	DIODE	EL1Z
*	CN8016	1-564-507-11	PLUG, CONNECTOR	4P		D0000	0-7 19-002-43	DIODE	LLIZ
*	CN8018	1-580-689-11	PIN, CONNECTOR (P	C BOARD)	4P	D8039	8-719-028-72	DIODE	RGP02-17EL-6433
*	CN8019	1-580-689-11	PIN, CONNECTOR (P	C BOARD)	4P	D8042	8-719-988-61	DIODE	1SS355TE-17
*	CN8020	1-580-689-11	PIN, CONNECTOR (P	C BOARD)	4P	D8042	8-719-988-61	DIODE	1SS355TE-17
*	CN8022	1-564-510-11	PLUG, CONNECTOR	7P		D8045	8-719-908-03	DIODE	GP08D
						D8043	8-719-988-61	DIODE	1SS355TE-17
*	CN8023	1-564-507-11	PLUG, CONNECTOR	4P		D0047	0-7 19-900-01	DIODE	1000001E-17
*	CN8025	1-779-890-11	CONNECTOR, BOAR	D TO BOARD	10P	D8050	8-719-988-61	DIODE	1SS355TE-17
	CN8026	1-764-611-11	CONNECTOR, BOAR	D TO BOARD	20P	D8050	8-719-988-61	DIODE	1SS355TE-17
	CN8027	1-764-611-11	CONNECTOR, BOAR	D TO BOARD	20P	D8051	8-719-988-61	DIODE	1SS355TE-17
*	CN8028	1-564-507-11	PLUG, CONNECTOR	4P		D0002	0-7 19-900-01	DIODE	1000001E-11
							FERRITE BEAD		
*	CN8029	1-564-510-11	PLUG, CONNECTOR	7P			<u> </u>		
*	CN8030	1-564-510-11	PLUG, CONNECTOR	7P		FB8001	1-469-578-11	FERRITE	1.1µH
*	CN8031	1-779-890-11	CONNECTOR, BOAR	D TO BOARD	10P	FB8002	1-469-578-11	FERRITE	1.1µH
						FB8005	1-469-869-21	FERRITE	0μΗ
		DIODE				FB8006	1-469-869-21	FERRITE	0μΗ
	D8001	8-719-109-89	DIODE	RD5.6ESB2		FB8014	1-469-869-21	FERRITE	0μΗ
	D8001	8-719-110-53	DIODE	RD20ESB2					
	D8002	8-719-924-13	DIODE	MTZJ-T-77-2	2D	FB8015	1-469-869-21	FERRITE	0μΗ
	D8003	8-719-908-03	DIODE	GP08D	.ZD	FB8016	1-469-869-21	FERRITE	0μΗ
	D8004 D8005	8-719-988-61	DIODE	1SS355TE-1	7	FB8017	1-469-869-21	FERRITE	0μΗ
	D0003	0-7 19-900-01	DIODE	1333331E-1	1	FB8018	1-469-869-21	FERRITE	0μΗ
	D8006	8-719-988-61	DIODE	1SS355TE-1	7	FB8021	1-469-578-11	FERRITE	1.1µH
	D8008	8-719-988-61	DIODE	1SS355TE-1					
	D8010	8-719-988-61	DIODE	1SS355TE-1		FB8022	1-469-579-11	FERRITE	0.45µH
	D8010	8-719-988-61	DIODE	1SS355TE-1		FB8023	1-469-579-11	FERRITE	0.45µH
	D8011	8-719-988-61	DIODE	1SS355TE-1					
	D0012	0-7 19-900-01	DIODE	1000001E-1	1		<u>IC</u>		
	D8013	8-719-109-85	DIODE	RD5.1ESB2		IC8001	8-749-019-08	IC	STK392-560
	D8014	8-719-109-85	DIODE	RD5.1ESB2		IC8002	8-749-019-08	IC	STK392-560
	D8015	8-719-988-61	DIODE	1SS355TE-1	7	IC8003	8-759-593-33	IC	LA78045
	D8016	8-719-988-61	DIODE	1SS355TE-1	7	IC8004	8-759-701-79	IC	NJM7812FA
	D8019	8-719-988-61	DIODE	1SS355TE-1		IC8005	8-759-585-82	IC	BA9759F-E2
	D8020	8-719-988-61	DIODE	1SS355TE-1	7	IC8006	8-759-700-07	IC	NJM2903M
	D8022	8-719-988-61	DIODE	1SS355TE-1	7	IC8007	8-759-700-07	IC	NJM2903M
	D8023	8-719-988-61	DIODE	1SS355TE-1	7	IC8008	8-759-585-82	IC	BA9759F-E2



REF.NO.	PART NO.	DESCRIPTION	VALUE	S		REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
IC8009	8-759-803-42	IC	LA6500-FA		\wedge	PS8006	1-533-595-31	IC LINK	3.15A	90V	
IC8010	8-759-471-81	IC	PQ05RD11			PS8007	1-533-594-31	IC LINK	2.5A	90V	
IC8012	8-759-701-01	IC	NJM2904M			PS8008	1-532-685-00	IC LINK	0.8A	50V	
	COIL						TRANSISTOR				
1.0004		INDUCTOR	47.11								
L8001	1-412-533-21	INDUCTOR	47µH			Q8001	8-729-120-28	TRANSISTOR	2SC1623-L		
L8002	1-412-533-21	INDUCTOR	47µH			Q8002	8-729-046-80	TRANSISTOR	2SC4634L		
L8003	1-412-525-31	INDUCTOR	10μH			Q8003	8-729-026-49	TRANSISTOR	2SA1037A		
L8004	1-412-533-21	INDUCTOR	47µH			Q8004	8-729-026-49	TRANSISTOR	2SA1037A		
L8005	1-412-533-21	INDUCTOR	47µH			Q8007	8-729-046-80	TRANSISTOR	2SC4634L	S-CB11	
L8006	1-412-525-31	INDUCTOR	10µH			Q8008	8-729-207-89	TRANSISTOR	2SA1358-\	1	
L8007	1-412-533-21	INDUCTOR	47µH			Q8009	8-729-207-82	TRANSISTOR	2SC3421-\		
L8008	1-412-533-21	INDUCTOR	47µH			Q8010	8-729-120-28	TRANSISTOR	2SC1623-L		
L8009	1-412-525-31	INDUCTOR	10μH			Q8011	8-729-026-49	TRANSISTOR	2SA1037A		
L8010	1-414-187-11	INDUCTOR	47µH			Q8014	8-729-120-28	TRANSISTOR	2SC1623-L		
L8011	1-414-856-11	INDUCTOR	10µH			Q8015	8-729-120-28	TRANSISTOR	2SC1623-L	EI G	
L8012	1-414-187-11	INDUCTOR	47µH			Q8016	8-729-120-28	TRANSISTOR	2SC1623-L		
L8013	1-414-856-11	INDUCTOR	10μH			Q8019	8-729-026-49	TRANSISTOR	2SA1037A		
L8014	1-414-189-31	INDUCTOR	100µH			Q8020	8-729-120-49 8-729-120-28	TRANSISTOR	2SC1623-L		
L8015	1-414-189-31	INDUCTOR	100µH			Q8020	8-729-120-28				
20010	1 111 100 01	IIIDOOTOIX	тооргт			Q0021	0-729-120-20	TRANSISTOR	2SC1623-L	-3L0	
L8016	1-412-537-31	INDUCTOR	100µH			Q8022	8-729-120-28	TRANSISTOR	2SC1623-L	_5L6	
L8017	1-414-856-11	INDUCTOR	10µH			Q8023	8-729-048-47	TRANSISTOR	2SC2688(5	5)-LK	
L8018	1-406-667-11	INDUCTOR	220µH			Q8024	6-550-144-01	TRANSISTOR	2SC5778-\	ΥB	
L8019	1-456-109-11	COIL,HORIZONTAL	LINEARITY(H	LC)		Q8027	6-550-153-01	TRANSISTOR	FQpF12P2	20XDTU	
L8020	1-412-525-31	INDUCTOR	10µH			Q8028	8-729-120-28	TRANSISTOR	2SC1623-L	_5L6	
L8021	1-406-659-11	INDUCTOR	10µH			Q8029	8-729-120-28	TRANSISTOR	2SC1623-L	_5L6	
L8022	1-412-552-11	INDUCTOR	2.2MH			Q8030	8-729-026-49	TRANSISTOR	2SA1037A		
L8025	1-414-856-11	INDUCTOR	10μH			Q8031	8-729-120-28	TRANSISTOR	2SC1623-L		
L8026	1-414-856-11	INDUCTOR	10μH			Q8035	6-550-153-01	TRANSISTOR	FQpF12P2		
L8028	1-414-187-11	INDUCTOR	47µH			Q8039	8-729-048-47	TRANSISTOR	2SC2688(5		
L8029	1-414-187-11	INDUCTOR	47µH			00044	0 700 000 40	TDANICIOTOD	20 4 4 0 2 7 4	V T440 D	
L8030	1-414-187-11	INDUCTOR	47μH			Q8041	8-729-026-49	TRANSISTOR	2SA1037A		
L8031	1-414-187-11	INDUCTOR	47μH			Q8042	8-729-048-47	TRANSISTOR	2SC2688(5		
L8032	1-414-856-11	INDUCTOR	47μΠ 10μΗ			Q8043	6-550-144-01	TRANSISTOR	2SC5778-\		
L8033	1-414-856-11	INDUCTOR	10μH			Q8044 Q8101	8-729-120-28 8-729-026-49	TRANSISTOR TRANSISTOR	2SC1623-L 2SA1037A		
	NEON LAMP						DECICTOR				
NL8001	1-517-778-21	LAMP, NEON				D0004	RESISTOR	METAL CLUB	0.017	E0/	1/10/4
	IC LINK					R8001 R8002	1-216-825-11 1-216-809-11	METAL CHIP METAL CHIP	2.2K 100	5% 5%	1/10W 1/10W
↑ D00004	1 522 505 24	IC LINIZ	2.454	001/		R8003	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠ PS8001	1-533-595-31	IC LINK	3.15A	90V		R8004	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠ PS8002	1-533-595-31	IC LINK	3.15A	90V		R8005	1-215-875-11	METAL OXIDE	10K	5%	1W
⚠ PS8003	1-533-595-31	IC LINK	3.15A	90V							
⚠ PS8004	1-533-595-31	IC LINK	3.15A	90V							
⚠ PS8005	1-533-595-31	IC LINK	3.15A	90V	l						



R8007 -1218-09-11 META_CHIP 100 5% 110W R8006 -1218-329-11 META_CHIP 22K 5% 110W R8006 -1218-329-11 META_CHIP 47K 5% 110W R8007 -1218-329-11 META_CHIP 56K 0.59% 110W R8007 -1218-329-11 META_CHIP 56K 0.59% 110W R8007 -1218-329-11 META_CHIP 56K 0.59% 110W R8007 -1218-329-11 META_CHIP 47K 5% 12W R8008 -1218-329-11 META_CHIP 47K 5% 11W R8008 -1218-329-11	REF.NO.	PART NO.	DESCRIPTION	VALU	IES		REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
R8090	R8007	1-216-809-11	METAL CHIP	100	5%	1/10W	R8055	1-218-748-11	METAL CHIP	220K	0.50%	1/10W
R8090		1-216-809-11	METAL CHIP	100	5%	1/10W		1-216-829-11	METAL CHIP		5%	1/10W
R8010		1-216-809-11	METAL CHIP	100	5%	1/10W						
R8011 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R8059 1-216-809-11 METAL CHIP 100 5% 1/10W R8059 1-216-809-11 METAL CHIP 4.7K 5% 1/10W R8059 1-216-809-11 METAL CHIP 4.7K 5% 1/10W R8059 1-216-809-11 METAL CHIP 5.6K 0.50% 1/10W R8059 1-216-809-11 METAL CHIP 5.6K 0.50% 1/10W R8059 1-216-809-11 METAL CHIP 5.6K 0.50% 1/10W R8059 1-216-809-11 METAL CHIP 2.2K 5% 1/10W R8059 1-216-809-11 METAL CHIP 4.7K 5% 1/10W R8059 1-216-809-1							R8057	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R8012 -1-216-828-11 METAL CHIP			METAL CHIP						METAL CHIP			
R8012 1.216-829-11 METAL CHIP 5.6K 0.50% 1/10W R8051 1.214-809-11 METAL CHIP 5.6K 0.50% 1/10W R8051 1.216-392-11 METAL CHIP 5.6K 0.50% 1/10W R8051 1.216-392-11 METAL CHIP 2.2K 5% 1/10W R8053 1.214-809-11 METAL CHIP 4.7K 5% 1/10W R8058 1.224-809-11 METAL CHIP 4.7K 5% 1/10W R8058 1.214-809-11 METAL CHIP 4.7K 5% 1/10W R8059 1.214-809-11 METAL CHIP 4.7K 5% 1/10W R8059 1.214-809-11 METAL CHIP 4.7K 5% 1/10W R8051 1.216-829-11 METAL CHIP 4.7K 5% 1/10W R8059 1.214-809-11 METAL CHIP 4.7K 5% 1/10W R8059 1.214-809-									METAL			
R8013 1-218-710-11 METAL CHIP 5.6K 0.50% 1/10W R8061 1-216-302-11 METAL CHIP 5.6K 0.50% 1/10W R8062 1-200-107-11 CARBON 4.7K 5% 1/2W R8016 1-216-829-11 METAL CHIP 27K 5% 1/10W R8062 1-220-107-11 CARBON 4.7K 5% 1/2W R8016 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R8063 1-214-800-11 METAL 4.7 1% 1/2W R8018 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R8065 1-214-800-11 METAL 4.7 1% 1/2W R8018 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R8065 1-214-800-11 METAL 4.7 1% 1/2W R8019 1-218-72-11 METAL CHIP 4.7K 5% 1/10W R8065 1-214-800-11 METAL 4.7 1% 1/2W R8019 1-218-829-11 METAL CHIP 4.7K 5% 1/10W R8066 1-214-800-11 METAL CHIP 6.8K 0.50% 1/10W R8069 1-214-800-11 METAL CHIP 10K 5% 1/10W R8069 1-214-800-11 METAL CHIP 4.7K 5% 1/10W R8069 1-214-800-11 METAL	R8012	1-216-829-11	METAL CHIP	4.7K	5%	1/10W						
R8014 1-218-70-11 METAL CHIP 2K 5% 1/10W R8062 1-280-107-11 CARBON 4.7K 5% 1/2W R8061 1-218-829-11 METAL CHIP 4.7K 5% 1/10W R8063 1-214-808-11 METAL 4.7 1% 1/2W R8061 1-218-829-11 METAL CHIP 4.7K 5% 1/10W R8063 1-214-808-11 METAL 4.7 1% 1/2W R8061 1-218-829-11 METAL CHIP 4.7K 5% 1/10W R8066 1-2214-808-11 METAL 4.7 1% 1/2W R8061 1-218-829-11 METAL CHIP 4.7K 5% 1/10W R8066 1-214-808-11 METAL 4.7 1% 1/2W R8062 1-218-829-11 METAL CHIP 4.7K 5% 1/10W R8066 1-214-808-11 METAL 4.7 1% 1/2W R8062 1-218-829-11 METAL CHIP 4.7K 5% 1/10W R8066 1-214-808-11 METAL 4.7 1% 1/2W R8062 1-218-839-11 METAL CHIP 10K 5% 1/10W R8071 1-218-839-11 METAL CHIP 10K 5% 1/10W R8072 1-214-808-11 METAL 4.7 1% 1/2W R8062 1-218-829-11 METAL CHIP 10K 5% 1/10W R8073 1-214-808-11 METAL 4.7 1% 1/2W R8062 1-218-829-11 METAL CHIP 4.7K 5% 1/10W R8075 1-214-808-11 METAL 4.7 1% 1/2W R8062 1-218-829-11 METAL CHIP 4.7K 5% 1/10W R8075 1-214-808-11 METAL CHIP 4.7K 5% 1/10W R8075 1-214-808-11 METAL 4.7 1% 1/2W R8062 1-218-829-11 METAL CHIP 4.7K 5% 1/10W R8075 1-214-808-11 METAL CHIP 4.7K 5% 1/10W R8075 1-214-808-11 METAL 4.7 1% 1/2W R8063 1-218-829-11 METAL CHIP 4.7K 5% 1/10W R8075 1-214-808-11 METAL CHIP 4.7K 5% 1/10W R8075 1-214-808-11 METAL CHIP 4.7K 5% 1/10W R8073 1-214-808-11 METAL CHIP 4.7K 5% 1/10W R8075 1-214-808-11 METAL CHIP 4.7K 5% 1/10W R8												
R8015 1-216-829-11 METAL CHIP 27K 5% 1/10W R8063 1-216-809-11 METAL AT 1% 1/2W R8061 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R8063 1-216-809-11 METAL AT 1% 1/2W R8061 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R8065 1-260-328-11 CARBON 1K 5% 1/2W R8061 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R8065 1-260-328-11 CARBON 1K 5% 1/2W R8062 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R8065 1-260-328-11 METAL CHIP 10K 5% 1/10W R8065 1-216-809-11 METAL CHIP 10K 5% 1/10W R8065 1-216-809-11 METAL CHIP 10K 5% 1/10W R8065 1-216-809-11 METAL CHIP 10K 5% 1/10W R8067 1-216-809-11 METAL CHIP 4.7K 5% 1/10W R8068 1-216-809-11												
R8016 1.216-829-11 METAL CHIP							R8062	1-260-107-11	CARBON	4.7K	5%	1/2W
R8017 1.216.829-11 METAL CHIP 4.7K 5% 1/10W R8065 1.260.328-11 CARBON 1K 5% 1/2W R8019 1.216.721-11 METAL CHIP 1K 5% 1/10W R8066 1.260.328-11 CARBON 1K 5% 1/2W R8019 1.216.829-11 METAL CHIP 10K 5% 1/10W R8067 1.214.808-11 METAL CHIP 10W 5% 1/10W R8068 1.216.839-11 METAL CHIP 10K 5% 1/10W R8068 1.216.839-11 METAL CHIP 10K 5% 1/10W R8069 1.214.808-11 METAL CHIP 10W 5% 1/10W R8069 1.214.808-11 METAL CHIP 10W 5% 1/10W R8071 1.215.381-00 METAL CHIP 10W 1/2W 1/2W R8022 1.216.839-11 METAL CHIP 10K 5% 1/10W R8071 1.215.381-00 METAL CHIP 10K 5% 1/10W R8071 1.215.381-00 METAL CHIP 1/2W 1/2W R8028 1.216.839-11 METAL CHIP 10K 5% 1/10W R8073 1.214.808-11 METAL CHIP 4.7K 5% 1/10W R8												
R8017 1-216-229-11 METAL CHIP 4.7K 5% 1/10W R8065 1-260-228-11 CARBON 1K 5% 1/2W R8018 1-216-821-11 METAL CHIP 6.8K 0.50% 1/10W R8067 1-214-808-11 METAL 4.7 1% 1/2W R8020 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R8067 1-214-808-11 METAL 4.7 1% 1/2W R8021 1-216-833-11 METAL CHIP 33K 5% 1/10W R8070 1-214-808-11 METAL 4.7 1% 1/2W R8022 1-216-833-11 METAL CHIP 33K 5% 1/10W R8070 1-214-808-11 METAL 4.7 1% 1/2W R8022 1-216-833-11 METAL CHIP 10K 5% 1/10W R8070 1-214-808-11 METAL 4.7 1% 1/2W R8022 1-216-833-11 METAL CHIP 10K 5% 1/10W R8071 1-215-381-00 METAL 4.7 1% 1/2W R8025 1-216-833-11 METAL CHIP 4.7K 5% 1/10W R8071 1-216-809-11 METAL 4.7 1% 1/2W R8025 1-216-829-11 METAL CHIP 4.7K 5% 1/10W R8071 1-216-829-11 METAL 4.7 1% 1/2W R8023 1-216-829-11 METAL 4.7K 5% 1/10W R8071 1-216-829-11 METAL 4.7 1% 1/2W R8031 1-216-829-11 METAL 4.7K 5% 1/10W R8071 1-216-829-11 METAL 4.7K 5% 1/10W R8073 1-216-829-11 METAL 4.7K 5% 1/10W R8083 1-216-829-11 METAL 4.7K 5% 1/10W R8083 1-216-829-11 METAL			•		• 70							
R8018 1-216-821-11 METAL CHIP 1K 5% 1/10W R8066 1-214-808-11 METAL 4.7 1% 1/2W R8020 1-216-833-11 METAL CHIP 10K 5% 1/10W R8068 1-214-808-11 METAL CHIP 10K 5% 1/10W R8068 1-214-808-11 METAL CHIP 10K 5% 1/10W R8068 1-214-808-11 METAL CHIP 10K 5% 1/10W R8071 1-215-381-00 METAL CHIP 10K 5% 1/10W R8072 1-216-803-11 METAL CHIP 10K 5% 1/10W R8073 1-214-808-11 METAL CHIP 4.7K 5%	R8017	1-216-829-11	METAL CHIP	4 7K	5%	1/10W						
R8019												
R8020							110000	1211 000 11	IVIL I/ LL	1	170	1/211
R8021							R8067	1-214-808-11	ΜΕΤΔΙ	47	1%	1/2\W
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R8036 1-214-800-11 METAL 2.2 1% 1/2W R8037 1-215-903-11 METAL OXIDE 68K 5% 2W R8084 1-216-833-11 METAL CHIP 10K 5% 1/10W R8038 1-216-809-11 METAL CHIP 100 5% 1/10W R8085 1-214-808-11 METAL 4.7 1% 1/2W R8039 1-214-800-11 METAL 2.2 1% 1/2W ♠ R8087 1-249-385-11 CARBON 2.2 5% 1/4W R8040 1-215-913-11 METAL CHIP 5.6K 0.50% 1/10W R8088 1-249-385-11 CARBON 2.2 5% 1/4W R8041 1-218-710-11 METAL CHIP 5.6K 0.50% 1/10W R8089 1-214-808-11 METAL 4.7 1% 1/2W R8042 1-218-740-11 METAL CHIP 100K 0.50% 1/10W R8089 1-214-808-11 METAL 4.7 1% 1/2W R8043 1-218-712-11 METAL CHIP 100K 0.50% 1/10W R8099 1-214-808-11 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>												
R8037 1-215-903-11 METAL OXIDE 68K 5% 2W R8084 1-216-833-11 METAL CHIP 10K 5% 1/10W R8038 1-216-809-11 METAL CHIP 100 5% 1/10W R8085 1-214-808-11 METAL 4.7 1% 1/2W R8039 1-214-800-11 METAL 2.2 1% 1/2W № R8086 1-214-808-11 METAL 4.7 1% 1/2W R8040 1-215-913-11 METAL CHIP 5.6K 0.50% 1/10W R8087 1-249-385-11 CARBON 2.2 5% 1/4W R8041 1-218-710-11 METAL CHIP 5.6K 0.50% 1/10W R8089 1-214-808-11 METAL 4.7 1% 1/2W R8042 1-216-826-11 METAL CHIP 10K 0.50% 1/10W R8099 1-214-808-11 METAL 4.7 1% 1/2W R8043 1-218-712-11 METAL CHIP 10K 0.50% 1/10W R8099 1-214-808-11 METAL 4.7 1% 1/2W R8045 1-218-712-							R8083	1-210-821-11	METAL CHIP	1K	5%	1/1000
R8038 1-216-809-11 METAL CHIP 100 5% 1/10W R8039 1-214-800-11 METAL 2.2 11% 1/2W R8040 1-215-913-11 METAL OXIDE 220 5% 3W R8041 1-218-710-11 METAL CHIP 5.6K 0.50% 1/10W R8042 1-216-826-11 METAL CHIP 2.7K 5% 1/10W R8043 1-218-740-11 METAL CHIP 100K 0.50% 1/10W R8044 1-218-712-11 METAL CHIP 100K 0.50% 1/10W R8045 1-214-808-11 METAL CHIP 6.8K 0.50% 1/10W R8046 1-214-808-11 METAL CHIP 6.8K 0.50% 1/10W R8046 1-214-808-11 METAL 4.7 1% 1/2W R8046 1-214-808-11 METAL 4.7 1% 1/2W R8046 1-214-808-11 METAL 4.7 1% 1/2W R8047 1-215-857-71 METAL A.7 1% 1/2W R8048 1-216-833-11 METAL CHIP 10K 5% 1/10W R8050 1-216-833-11 METAL CHIP 10K 5% 1/10W R8050 1-216-833-11 METAL CHIP 10K 5% 1/10W R8050 1-216-833-11 METAL CHIP 10K 5% 1/10W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-216-833-11 METAL CHIP 10K 5% 1/10W R8097 1-216-801-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-216-833-11 METAL CHIP 10K 5% 1/10W R8097 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-216-801-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W							D0004	4 040 000 44	METAL OLUB	4017	5 0/	4/40/4/
R8039 1-214-800-11 METAL 2.2 1% 1/2W R8040 1-215-913-11 METAL OXIDE 220 5% 3W R8041 1-218-710-11 METAL CHIP 5.6K 0.50% 1/10W R8042 1-216-826-11 METAL CHIP 2.7K 5% 1/10W R8043 1-218-740-11 METAL CHIP 100K 0.50% 1/10W R8044 1-218-740-11 METAL CHIP 6.8K 0.50% 1/10W R8045 1-214-808-11 METAL CHIP 6.8K 0.50% 1/10W R8046 1-214-808-11 METAL 4.7 1% 1/2W R8046 1-214-808-11 METAL 4.7 1% 1/2W R8046 1-214-808-11 METAL 4.7 1% 1/2W R8047 1-215-857-71 METAL 4.7 1% 1/2W R8048 1-216-833-11 METAL CHIP 10K 5% 1/10W R8050 1-216-833-11 METAL CHIP 10K 5% 1/10W R8050 1-216-833-11 METAL CHIP 10K 5% 1/10W R8050 1-216-833-11 METAL CHIP 10K 5% 1/10W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-216-833-11 METAL CHIP 10K 5% 1/10W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-216-833-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W												
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R8040 1-215-913-11 METAL OXIDE 220 5% 3W R8041 1-218-710-11 METAL CHIP 5.6K 0.50% 1/10W R8042 1-216-826-11 METAL CHIP 2.7K 5% 1/10W R8043 1-218-740-11 METAL CHIP 100K 0.50% 1/10W R8044 1-218-712-11 METAL CHIP 6.8K 0.50% 1/10W R8090 1-214-808-11 METAL 4.7 1% 1/2W R8044 1-218-712-11 METAL CHIP 6.8K 0.50% 1/10W R8091 1-214-808-11 METAL 4.7 1% 1/2W R8045 1-214-808-11 METAL 4.7 1% 1/2W R8046 1-214-808-11 METAL 4.7 1% 1/2W R8047 1-215-857-71 METAL OXIDE 10 5% 1W R8048 1-216-833-11 METAL CHIP 10K 5% 1/10W R8090 1-216-801-11 METAL 4.7 1% 1/2W R8091 1-214-808-11 METAL 4.7 1% 1/2W	D0000	4 044 000 44	A45741		40/	4 (0) 14						
R8041 1-218-710-11 METAL CHIP 5.6K 0.50% 1/10W R8042 1-216-826-11 METAL CHIP 2.7K 5% 1/10W R8043 1-218-740-11 METAL CHIP 100K 0.50% 1/10W R8090 1-214-808-11 METAL 4.7 1% 1/2W R8091 1-214-808-11 METAL 4.7 1% 1/2W R8091 1-214-808-11 METAL 4.7 1% 1/2W R8044 1-218-712-11 METAL CHIP 6.8K 0.50% 1/10W R8092 1-214-808-11 METAL 4.7 1% 1/2W R8045 1-214-808-11 METAL 4.7 1% 1/2W R8046 1-214-808-11 METAL 4.7 1% 1/2W R8047 1-215-857-71 METAL 4.7 1% 1/2W R8048 1-216-833-11 METAL CHIP 10K 5% 1/10W R8050 1-216-833-11 METAL CHIP 10K 5% 1/10W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL CHIP 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W												
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R8043 1-218-740-11 METAL CHIP 100K 0.50% 1/10W R8090 1-214-808-11 METAL 4.7 1/% 1/2W R8094 1-214-808-11 METAL 4.7 1/% 1/2W R8095 1-214-808-11 METAL 4.7 1/% 1/2W R8096 1-214-808-11 METAL 4.7 1/% 1/2W R8096 1-216-801-11 METAL CHIP 22 5/% 1/10W R8096 1-216-801-11 METAL CHIP 22 5/% 1/10W R8096 1-214-808-11 METAL 4.7 1/% 1/2W R8096 1-214-808-11 METAL CHIP 24 5/% 1/10W R8096 1-214-808-11 METAL CHIP 25 5/% 1/10W R8096 1-214-808-11 METAL CHIP 24 5/% 1/10W R8096 1-214-808-11 METAL CHIP 25 5/% 1/10W R8096 1-214-808-11 METAL A.7 1/% 1/2W R8096 1-214-808-11 METAL A.7 1/							Bassas	4 044 000 44			40/	4 (0) 4 (
R8044 1-218-712-11 METAL CHIP 6.8K 0.50% 1/10W R8092 1-214-808-11 METAL 4.7 1% 1/2W R8045 1-214-808-11 METAL 4.7 1% 1/2W R8046 1-214-808-11 METAL 4.7 1% 1/2W R8047 1-215-857-71 METAL 0XIDE 10 5% 1W R8094 1-216-833-11 METAL 4.7 1% 1/2W R8098 1-216-801-11 METAL CHIP 22 5% 1/10W R8050 1-216-833-11 METAL CHIP 10K 5% 1/10W R8097 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8096 1-216-801-11 METAL CHIP 22 5% 1/10W R8095 1-216-801-11 METAL CHIP 22 5% 1/10W R8095 1-214-808-11 METAL CHIP 4.7 1% 1/2W R8095 1-214-808-11 METAL CHIP 4.7 1% 1/2W R8095 1-214-808-11 METAL 4.7 1% 1/2W R809												
R8044 1-218-712-11 METAL CHIP 6.8K 0.50% 1/10W R8092 1-214-808-11 METAL 4.7 1% 1/2W R8045 1-214-808-11 METAL 4.7 1% 1/2W R8046 1-214-808-11 METAL 4.7 1% 1/2W R8047 1-215-857-71 METAL OXIDE 10 5% 1W R8094 1-214-808-11 METAL 4.7 1% 1/2W R8048 1-216-833-11 METAL CHIP 10K 5% 1/10W R8095 1-216-801-11 METAL CHIP 22 5% 1/10W R8050 1-216-833-11 METAL CHIP 10K 5% 1/10W R8097 1-214-808-11 METAL CHIP 22 5% 1/10W R8051 1-214-808-11 METAL 4.7 1% 1/2W	R8043	1-218-740-11	METAL CHIP	100K	0.50%	1/10W	1					
R8045 1-214-808-11 METAL 4.7 1% 1/2W R8046 1-214-808-11 METAL 4.7 1% 1/2W R8047 1-215-857-71 METAL OXIDE 10 5% 1W R8094 1-214-808-11 METAL 4.7 1% 1/2W R8048 1-216-833-11 METAL CHIP 10K 5% 1/10W R8050 1-216-833-11 METAL CHIP 10K 5% 1/10W R8051 1-214-808-11 METAL CHIP 10K 5% 1/10W R8051 1-214-808-11 METAL CHIP 22 5% 1/10W R8051 1-214-808-11 METAL CHIP 22 5% 1/10W R8051 1-214-808-11 METAL CHIP 24.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W												
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R8047 1-215-857-71 METAL OXIDE 10 5% 1W R8094 1-214-808-11 METAL 4.7 1/2W R8048 1-216-833-11 METAL CHIP 10K 5% 1/10W R8095 1-216-801-11 METAL CHIP 22 5% 1/10W R8096 1-216-801-11 METAL CHIP 22 5% 1/10W R8096 1-216-801-11 METAL CHIP 22 5% 1/10W R8096 1-214-808-11 METAL CHIP 24 5% 1/10W R8096 1-214-808-11 METAL 4.7 1/2W R8096 1-214-808-11 METAL 4.							R8093	1-214-808-11	METAL	4.7	1%	1/2W
R8048 1-216-833-11 METAL CHIP 10K 5% 1/10W R8095 1-216-801-11 METAL CHIP 22 5% 1/10W R8096 1-216-801-11 METAL CHIP 22 5% 1/10W R8096 1-216-801-11 METAL CHIP 22 5% 1/10W R8096 1-216-801-11 METAL CHIP 22 5% 1/10W R8096 1-214-808-11 METAL 4.7 1/2W R8097 1-214-808-11 METAL 4.7 1/2W R8098 1-214-808-11 METAL 4.7 1/2W												
R8050 1-216-833-11 METAL CHIP 10K 5% 1/10W R8096 1-216-801-11 METAL CHIP 22 5% 1/10W R8095 1-214-808-11 METAL 4.7 1% 1/2W R8098 1-214-808-11 METAL 4.7 1% 1/2W												
R8050 1-216-833-11 METAL CHIP 10K 5% 1/10W R8097 1-214-808-11 METAL 4.7 1% 1/2W R8051 1-214-808-11 METAL 4.7 1% 1/2W R8098 1-214-808-11 METAL 4.7 1% 1/2W	R8048	1-216-833-11	METAL CHIP	10K	5%	1/10W	1					
R8051 1-214-808-11 METAL 4.7 1% 1/2W R8098 1-214-808-11 METAL 4.7 1% 1/2W							1					
R8053 1-214-808-11 METAL 4.7 1% 1/2W							R8098	1-214-808-11	METAL	4.7	1%	1/2W
	R8053	1-214-808-11	METAL	4.7	1%	1/2W						



REF.NO.	PART NO.	DESCRIPTION	VALU	ES		REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
R8100	1-216-475-11	METAL OXIDE	120	5%	3W	R8146	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R8101	1-216-475-11	METAL OXIDE	120	5%	3W	R8147	1-218-710-11	METAL CHIP	5.6K	0.50%	
R8102	1-218-734-11	METAL CHIP	56K		1/10W	1.01			0.0.0	0.0070	
R8103	1-216-816-11	METAL CHIP	390	5%	1/10W	R8148	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R8104	1-216-828-11	METAL CHIP	3.9K	5%	1/10W	R8149	1-249-401-11	CARBON	47	5%	1/4W
110104	1 210 020 11	WEINE OITH	0.010	070	1710	R8150	1-218-740-11	METAL CHIP	100K	0.50%	
R8105	1-214-808-11	METAL	4.7	1%	1/2W	R8151	1-218-692-11	METAL CHIP	1K	0.50%	
R8106	1-214-808-11	METAL	4.7	1%	1/2W	R8152	1-218-716-11	METAL CHIP	10K	0.50%	
R8109	1-216-813-11	METAL CHIP	220	5%	1/2VV 1/10W	110102	1-210-710-11	IVIL IAL OI III	1010	0.5070	171000
R8110	1-249-424-11	CARBON	3.9K	5%	1/4W	R8153	1-218-692-11	METAL CHIP	1K	0.50%	1/10\\\
R8111		METAL CHIP	680	5%	1/4VV 1/10W	R8154	1-218-728-11	METAL CHIP	33K	0.50%	
KOIII	1-216-819-11	WE TAL OTH	000	370	1/1000						
D0440	4 040 004 44	METAL CUID	4.01/	E0/	4/40\4/	R8155	1-215-469-00	METAL	100K	1%	1/4W
R8112	1-216-824-11	METAL CHIP	1.8K	5%	1/10W	R8156	1-215-469-00	METAL CLUB	100K	1%	1/4W
R8113	1-216-475-11	METAL OXIDE	120	5%	3W	R8157	1-218-738-11	METAL CHIP	82K	0.50%	1/1000
R8114	1-216-475-11	METAL OXIDE	120	5%	3W	D0450	4 040 000 44	METAL OLUB	4017	E 0/	4/40/4/
R8115	1-216-475-11	METAL OXIDE	120	5%	3W	R8159	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8116	1-216-475-11	METAL OXIDE	120	5%	3W	R8161	1-216-845-11	METAL CHIP	100K	5%	1/10W
						R8162	1-249-377-11	CARBON	0.47	5%	1/4W
R8117	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8163	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8118	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8164	1-218-734-11	METAL CHIP	56K	0.50%	1/10W
R8119	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R8120	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8165	1-249-425-11	CARBON	4.7K	5%	1/4W
R8121	1-216-809-11	METAL CHIP	100	5%	1/10W	R8166	1-218-716-11	METAL CHIP	10K	0.50%	
						R8168	1-216-809-11	METAL CHIP	100	5%	1/10W
R8123	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8169	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8124	1-249-377-11	CARBON	0.47	5%	1/4W	R8170	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
R8125	1-216-816-11	METAL CHIP	390	5%	1/10W						
R8126	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R8171	1-216-809-11	METAL CHIP	100	5%	1/10W
R8127	1-216-341-11	METAL OXIDE	0.22	5%	1W	⚠ R8172	1-249-405-11	CARBON	100	5%	1/4W
						R8173	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8128	1-216-845-11	METAL CHIP	100K	5%	1/10W	R8174	1-249-425-11	CARBON	4.7K	5%	1/4W
R8129	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8176	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R8130	1-216-825-11	METAL CHIP	2.2K	5%	1/10W						
R8131	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8178	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8132	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8180	1-216-845-11	METAL CHIP	100K	5%	1/10W
						R8181	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8133	1-215-923-00	METAL OXIDE	10K	5%	3W	R8182	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R8134	1-215-873-00	METAL OXIDE	4.7K	5%	1W	R8183	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R8135	1-215-923-00	METAL OXIDE	10K	5%	3W						
R8136	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8189	1-249-377-11	CARBON	0.47	5%	1/4W
R8137	1-218-740-11	METAL CHIP	100K		1/10W	R8190	1-215-429-00	METAL	2.2K	1%	1/4W
						R8191	1-215-415-00	METAL	560	1%	1/4W
R8138	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8192	1-215-445-00	METAL	10K	1%	1/4W
R8139	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R8193	1-215-445-00	METAL	10K	1%	1/4W
R8140	1-216-833-11	METAL CHIP	10K	5%	1/10W		00 00		.511	. , ,	
R8141	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R8194	1-215-445-00	METAL	10K	1%	1/4W
R8142	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8195	1-215-445-00	METAL	10K	1%	1/4W
110174	1 = 10 000-11	ME ME OIM	1011	J /0	17 1011	R8196	1-249-425-11	CARBON	4.7K	5%	1/4W
R8143	1-218-734-11	METAL CHIP	56K	0.50%	1/10W	R8198	1-249-425-11	METAL	10K	1%	1/4W
R8144	1-216-734-11	METAL CHIP	100	5%	1/10W	R8201	1-249-397-11	CARBON	22	5%	1/4W
R8145	1-218-716-11	METAL CHIP	10K		1/10W	1.0201	1-278-081-11	OUUDON	44	J /0	1/ -7 V V
1/0140	1-210-110-11	WIL IAL OHIF	1011	0.50 /6	1/1044						

A component identified by this Metasymbol indicates that it has been carefully factory-selected to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.



	REF.NO.	PART NO.	DESCRIPTION	VALUES			REF.NO.	PART NO.	DESCRIPTION	VALUES
	R8202	1-260-092-11	CARBON	270 5	5%	1/2W		TRANSFORMER		
\triangle	R8205	1-249-377-11	CARBON	0.47 5	5%	1/4W	T0004	4 407 700 44	TRANSCORUER FEE	ADITE (DET)
	R8206	1-249-377-11	CARBON	0.47 5	5%	1/4W	T8001	1-437-708-11	TRANSFORMER, FEF	, ,
	R8208	1-260-288-11	CARBON	0.47	5%	1/2W	T8002	1-437-739-11	TRANSFORMER, FEF	,
	R8209	1-216-833-11	METAL CHIP	10K 5	5%	1/10W	T8003	1-437-401-11	TRANSFORMER, FEF	· · ·
							<u> </u>	1-437-399-21	TRANSFORMER, FEF	` '
	R8210	1-216-809-11	METAL CHIP	100 5	5%	1/10W	⚠ T8005	1-453-285-51	FBT ASSY NX-4006//X	4P4
	R8211	1-215-906-11	METAL OXIDE	15 5	5%	3W				
	R8212	1-215-907-11	METAL OXIDE	22 5	5%	3W	T8006	1-437-739-11	TRANSFORMER, FEF	RRITE (HDT)
	R8213	1-216-821-11	METAL CHIP	1K 5	5%	1/10W				
	R8216	1-216-833-11	METAL CHIP	10K 5	5%	1/10W		<u>THERMISTOR</u>		
							TH8001	1-800-193-00	THERMISTOR	
	R8217	1-216-821-11	METAL CHIP	1K 5	5%	1/10W	1110001	1 000 100 00	TTE TIME TOTAL	
	R8218	1-260-123-11	CARBON		5%	1/2W		VARIABLE RESIS	TOR	
\triangle	R8219	1-249-377-11	CARBON		5%	1/4W		WATER REGIO	1011	
	R8220	1-216-821-11	METAL CHIP	1K 5	5%	1/10W	■△ VR8001	1-225-627-91	RES, VAR, ADJ, CER	NET 2K
	R8222	1-216-341-11	METAL OXIDE		5%	1W	■△ VR8002	1-225-630-91	RES, VAR, ADJ, CER	MET 20K
	R8223	1-218-752-11	METAL CHIP	330K (0.50%	1/10W				
	R8224	1-260-127-11	CARBON		5%	1/2W				
\triangle	R8225	1-260-292-11	CARBON		5%	1/2W				
\triangle	R8228	1-260-314-11	CARBON	68 5	5%	1/2W				
	R8230	1-218-751-11	METAL CHIP			1/10W				
	R8232	1-216-809-11	METAL CHIP	100 5	5%	1/10W				
	R8233	1-216-809-11	METAL CHIP	100 5	5%	1/10W				
	R8234	1-216-809-11	METAL CHIP	100 5	5%	1/10W				
	R8235	1-216-809-11	METAL CHIP	100 5	5%	1/10W				
	R8236	1-218-917-11	METAL CHIP	820K (0.50%	1/10W				
	R8237	1-216-857-11	METAL CHIP	1M 5	5%	1/10W				
	R8242	1-216-864-11	SHORT CHIP							
	R8243	1-216-809-11	METAL CHIP	100 5	5%	1/10W				
	R8249	1-215-923-00	METAL OXIDE	10K 5	5%	3W				
	R8250	1-215-923-00	METAL OXIDE	10K 5	5%	3W				
	R8251	1-216-821-11	METAL CHIP		5%	1/10W				
	R8253	1-216-816-11	METAL CHIP		5%	1/10W				
	R8254	1-216-823-11	METAL CHIP		5%	1/10W				
	R8255	1-215-873-00	METAL OXIDE		5%	1W				
	R8256	1-249-401-11	CARBON	47 5	5%	1/4W				
	R8258	1-216-833-11	METAL CHIP		5%	1/10W				
	R8259	1-216-809-11	METAL CHIP		5%	1/10W				
	R8260	1-216-845-11	METAL CHIP	100K 5	5%	1/10W				
	D0004	4 040 045 44	METAL OLUB	4001/	- 0/	4/40*/				
	R8261	1-216-845-11	METAL CHIP		5% - _{0/}	1/10W				
	R8262	1-216-845-11	METAL CHIP		5% - _{0/}	1/10W				
	R8263	1-216-845-11	METAL CHIP	100K 5	5%	1/10W				



	REF. NO.	PART NO.	DESCRIPTION	VALUES	REF. NO.	PART NO.	DESCRIPTION	VALUES
S	R					ACCESSORIES	AND PACKING	
	the follow		repairable. If service to order a complete ence only.		*	1-796-426-11 4-042-463-01 4-076-420-01	CD-ROM SHEET, PROTECTION BAG, PROTECTION	
	*	A-1400-759-A	SR BOARD, MOUNT	TED .		4-088-026-11 4-088-026-21	MANUAL, INSTRUCTION	N
	0110004	CONNECTOR	DI LIO CONNECTOR	0.0		4-088-026-31	(KP-57WV700/65WV700 MANUAL, INSTRUCTIC (KP-65WV700 ONLY)	·
*	CN9901	1-564-506-11	PLUG,CONNECTOR	3P	*	4-088-440-01	CUSHION, UPPER	
	D9902	DIODE 8-719-069-55	DIODE UDZSTE-175.6E	3	*	4-088-441-01	(KP-57WV600/57WV700 CUSHION, LOWER	O ONLY)
		BATTERY			*	4-088-444-01	(KP-57WV700 ONLY) CUSHION, LOWER (KP-57WV600 ONLY)	
	SB9901	1-756-295-11	BATTERY, SOLAR		*	4-088-445-01	CUSHION, UPPER	
					*	4-088-446-01	(KP-65WV600/65WV700 CUSHION, LOWER	O ONLY)
							(KP-65WV600/65WV700	O ONLY)
					*	4-088-442-02 4-088-447-02	INDIVIDUAL, CARTON (KP-57WV600/57WV700 INDIVIDUAL, CARTON	O ONLY)
					*	4-088-443-01	(KP-65WV600/65WV700	O ONLY)
					*	4-088-448-01	(KP-57WV600/57WV700 TRAY	O ONLY)
						4 400 004 44	(KP-65WV600/65WV700	·
						1-468-681-11 4-081-888-01	REMOTE COMMANDER BATTERY COVER (for F	

MODEL NAME	REMOTE COMMANDER	<u>DESTINATION</u>	CHASSIS NO.
KP-57WV600	RM-Y188	US/CND	SCC-P92D-A
KP-57WV700	RM-Y188	US/CND	SCC-P92B-A
KP-65WV600	RM-Y188	US/CND	SCC-P92C-A
KP-65WV700	RM-Y188	US/CND	SCC-P92A-A

CORRECTION - 3

SUBJECT: CONVERGENCE ADJUSTMENT PROCEDURE

Correct the service manual as shown. File this Correction with the service manual.

: Corrected Item

Section 2: Set Up Adjustments

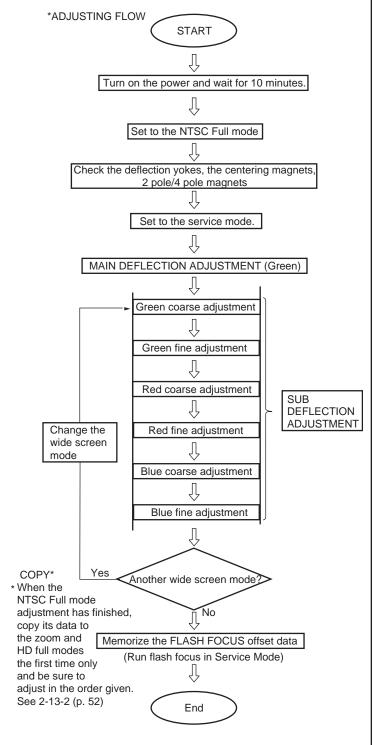
2-12 Registration Adjustment (PJE Mode Only) (Page 48)

2-13-2 Copying All Registration Data to Other Modes (Page 52)

COLOR REAR VIDEO PROJECTOR SONY

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Service Promotion Department

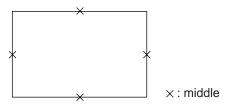
2-12.REGISTRATION ADJUSTMENT (PJE MODE ONLY)



2-12-1.SETUP FOR ADJUSTMENT

MARKING

 At the 4 sides of the screen, locate the middle. Use a tape measure to identify the middle.



DATA SETTING

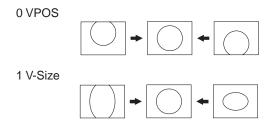
- 1. Set NTSC Full mode.
- 2. Enter the service mode, and select "PJE".

NOTE: When you replace printed circuit boards or devices or CRTs, and when correction is drastically necessary, press the "7" + ENTER on the remote commander to initialize the data in the Projector Engine mode. Press the MUTING + ENTER on the remote commander to write the data

2-12-2.MAIN DEFLECTION ADJUSTMENT

NOTE: Before this adjustment, refer to section 2-11 for PJE item #78-85 input data.

- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 2. Enter the monoscope signal and set to NTSC Full mode.
- 3. Enter the service mode, and select "2170D-1".
- Adjust "0 VPOS" and "1 VSIZ" so that the picture is displayed in the center of the screen.
- 5. Adjust "2VSZ0" for 1080i vertical size adjustment.



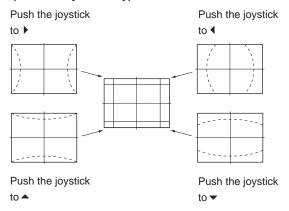
6. Select "2170D-2" and adjust "2 H-Size" so that the picture size is within the specification.

SPEC	Overscan Spec. = 9%					
Input Signal	H SIZE	V SIZE				
Monoscope	$15.6 \pm 0.2 \text{ sq}.$	11.5 ± 0.2 sq.				
2 H-Size						
	•					

7. Copy the data of the NTSC Full mode to the other wide screen mode and, if necessary, adjust in the other mode.

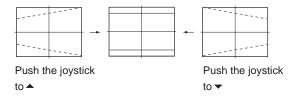
12. Select "GRN PIN", and adjust so that right and left vertical lines on the screen become straight. Adjust so that upper and lower horizontal lines on the screen become straight.

GRN PIN (Horizontally/Vertically)



13. Select "GRN KEY", and adjust so that upper and lower horizontal lines on the screen become parallel.

GRN KEY (Vertically)



Note: The VPIN and KEY adjustments affect each other. If necessary, adjust these mutually.

- 14. Press the "9" button on the remote commander to enter fine adjustment mode.
- 15. Make the fine adjustment so that horizontal lines and vertical lines become straight.
- 16. Press the "9" button on the remote commander to return to coarse adjustment mode.

2) RED ADJUSTMENT

- Cover the blue CRT lens with a lens caps to allow only the green and red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 2. Press the "3" button on the remote commander to select RED mode.
- 3. Adjust the following items so that red lines overlap with green lines.
 - RED CENT (horizontally/vertically)
 - RED SKEW (horizontally/vertically)
 - RED SIZE (horizontally/vertically)
 - RED LIN (horizontally/vertically)
 - RED MSIZ (horizontally)
 - RED MLIN (horizontally)
 - RED PIN (horizontally/vertically)
 - RED KEY (vertically)
- Press the "9" button on the remote commander to enter fine adjustment mode.
- Make the fine adjustment so that horizontal lines and vertical lines overlap with green lines.

Press the "9" button on the remote commander to return to coarse adjustment mode.

Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2170P-2 1 RGBS.

3) BLUE ADJUSTMENT

- 1. Remove the lens cap from the blue picture lens to display all colors.
- 2. Press the "3" button on the remote commander to select BLU mode.
- 3. Adjust the following items so that blue lines overlap with green lines.
 - BLU CENT (horizontally/vertically)
 - BLU SKEW (horizontally/vertically)
 - BLU SIZE (horizontally/vertically)
 - BLU LIN (horizontally/vertically)
 - BLU PIN (horizontally/vertically)
 - BLU KEY (vertically)
- Press the "9" button on the remote commander to enter fine adjustment mode.
- Make the fine adjustment so that horizontal lines and vertical lines overlap with green and red lines.
- 6. Press the "9" button on the remote commander to return `to coarse adjustment mode.

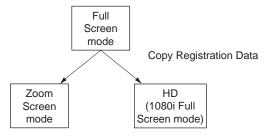
Note: When replacing CRTs, adjust the set-up adjustments (2-1 to 2-9) and the registration adjustment (2-12). When replacing multiple CRTs at the same time, replace and adjust them individually.

4) REGISTRATION DATA WRITING

 After completing each adjustment of green, blue, and red for the NTSC Full mode press the "MUTING"+ "ENTER" buttons on the remote commander to write the registration data to the NVM.

2-13-2.COPYING ALL REGISTRATION DATA TO OTHER MODES

- Make sure that the adjustment for NTSC Full mode are complete and the data have already been written.
- 2. Select the PJE mode.
- Select COPY and set the data to "01", and press the "MUTING"+"ENTER" buttons on the remote commander.
- The data from the NTSC Full mode is copied to zoom and HD full modes.



5. Check in the other modes and adjust as demands.

Be sure to write data in each mode.

Adjustment for wide zoom mode should be done separately.

MODEL NAME	REMOTE COMMANDER	<u>DESTINATION</u>	CHASSIS NO.
KP-57WV600	RM-Y188	US/CND	SCC-P92D-A
<i>KP-57WV700</i>	RM-Y188	US/CND	SCC-P92B-A
<i>KP-65WV600</i>	RM-Y188	US/CND	SCC-P92C-A
KP-65WV700	RM-Y188	US/CND	SCC-P92A-A

CORRECTION-4

SUBJECT: EXPLODED VIEW CHASSIS PART NUMBER

Correct the service manual as shown. File this Correction with the service manual.

: Corrected Item

Section 6: Exploded View 6-3. CHASSIS (Page 109)

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- 1	11.3		\smile			_	\smile	

CORRECT

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
77	3-184-556-01	CASTER	77	4-061-174-01	CASTER

COLOR REAR VIDEO PROJECTOR



Sony Corporation
Sony Technology Center
Technical Services
Service Promotion Department

SERVICE MANUAL

DA-4X CHASSIS

MODEL NAME	REMOTE COMMANDER	<u>DESTINATION</u>	CHASSIS NO.
KP-57WV600	RM-Y188	US/CND	SCC-P92D-A
KP-57WV700	RM-Y188	US/CND	SCC-P92B-A
KP-65WV600	RM-Y188	US/CND	SCC-P92C-A
KP-65WV700	RM-Y188	US/CND	SCC-P92A-A

CORRECTION-5

SUBJECT: CORRECTED A PWB

Correct the service manual as shown. File this Correction with the service manual.

: Corrected Item

Section 5: Diagrams

5-4. Schematics and Supporting Information (Page 75 & 76)

